

ABRAHAM, J.

On the Stability of Solutions of the Transportation Problem in Linear Programming

Abraham, Jaromir. Über die Stabilität von Lösungen im Transportproblem der linearen Programmierung. Czechoslovak Math. J. 8(83) (1958), 131-138. (Russian summary)

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1-FW

The paper is concerned with the standard Hitchcock Transportation Problem. In describing this results, the abstract algebraic terms used by the author will be replaced by the equivalent graph theoretic ones for the sake of brevity and clarity.

A solution of a transportation problem is called "stable" if it is possible to change all supplies and demands by some positive amount without having to change the set of routes used in a solution. A solution is "simple" if the routes used form a "tree". It is "indecomposable" if this tree is connected. Let $X = (x_{ij})$ be a simple indecomposable solution and let $\rho(X)$ be the smallest of the numbers x_{ij} which is not zero. Let the supplies and demands be changed by amounts $\alpha_1, \dots, \alpha_n$ and $\beta_1, \dots, \beta_m$ respectively. Theorem 1: If $\sum |\alpha_i| + \sum |\beta_j| < \rho(X)$, then there exists a solution of the perturbed problem which uses exactly the same routes as the original solution X . Theorem 2 gives a lower bound for the number $\rho(X)$ for non-degenerate problems, i.e., problems in which all solutions are indecomposable.

D. Gale (Providence, R.I.)

SW
11

ABRAHAM, J.

Approximate method for nonlinear programming. p. 425

CASOPIS PRO PESTOVANI MATEMATIKY. (Ceskoslovenska akademie ved. Matematicky ustav)
Praha, Czechoslovakia

Vol. 83, no. 4, Nov. 1959

Monthly list of East European Accessions (EEAI) LC. VOL. 9, no. 1 January 1960

Uncl.

RICICA, J.; MENDER, J.; ABRAHAM, J.

Apparatus for the slow and continuous addition of clear sterile solutions. Folia microbiol 6 no.2:138-140 '61. (EEAI 1965)

1. Department of Microbiology and the Workshop, Institute of Biology, Czechoslovak Academy of Sciences, Prague 6.
(CZECHOSLOVAKIA---MICROBIOLOGY)

ABRAHAM, J.; FALTIN, J.; NOVAKOVA, V.

Automatic apparatus for the study of higher ~~central~~ nervous activity
in rats. Cesk. fysiол. 10 no.5:464-465 '61.

1. THS Biologických ustavu CSAV, Fysiologický ustav CSAV, Praha.
(PHYSIOLOGY equip & supply)
(CENTRAL NERVOUS SYSTEM physiол)

ABRAHAM, J.; HUDLICKA, O.

Registration device for registering a drop-count. Cesk. fysiол.
12 no. 6: 463-464 N° 63.

1. Fysiologicky ustav, CSAV a THS BU CSAV, Praha.

*

ABRAHAM, Kalman, dr., okleveles gepesz- es gazdasagi mernok, fomernok

Designing automotive transportation establishments. Kozl
tud sz 13 no.9:403-407 S '63.

1. Ut-, Vasutervezo Vallalat.

~~SECRET~~
RADO, Janos, Dr.; ABRAHAM, Karola, Dr.; ESZEKI, Jozsef, Dr.

Simultaneous occurrence of congenital septal defect and cardiac infarct in old age. Orv. hetil. 98 no.39:1079-1081 29 Sept 57.

1. A Janos Korhaz-Rendelintezet (igazgato: Bakacs Tibor dr.) II. sz. Belosztalyanak (foorvos: Bencsath Aladar dr.) es Prosecturajanak (foorvos: Kalló Antal dr., az orvostudományok doktora) közleménye.

(CARDIAC SEPTUM, abnorm.

interventric. septal defect with myocardial infarct in aged, case report (Hun))

(MYOCARDIAL INFARCT, case reports

with interventric. septal defect in aged (Hun))

KRASZNAI, Ivan, dr.; PORKOLAB, Erzsébet, dr.; ABRAHAM, Karola, dr.

A case of secondary hyperglobulinemic purpura (Waldenstroem's)
followed by lymphosarcoma. Orv. hetil. 102 no.28:1314-1315 9 J1 '61.

1. Budapest Fovaros XIII ker. Tanacs, Robert Karoly keruti Korhaz, I
belosztaly es prosectura.

(PURPURA case reports) (SERUM GLOBULIN)
(LYMPHOSARCOMA case reports)

ABRAHAM, Kristoff, dr.

Dermatomyositis. Orv. hetil. 97 no.27:740-743 1 July 56

1. A Balassagyarmati Városi Tanács Kórháza (igazgató Dobos Imre dr.) Noi Idegosztyának (focrtos: Santha Kalman dr. egyet. tanar) közleménye.

(DERMATOMYOSITIS, etiol. & pathogen.
(Hun))

HUNGARY/Soil Science - Genesis and Geography of Soils.

J-1

Abs Jour : Ref Zhur - Biol., No 9, 1956, 38986

Author : Abraham, L.

Inst : -

Title : The Influence of Ponds for Fish Culture and Reservoirs on Salted Soils in the Region of Hortobagy.

Orig Pub : Agrokh. es talay., 1957, 6, No 1, 29-42.

Abstract : The inundation of slated soils by fresh water of ponds in the Okhat and Borshosh Rayons continued over a period of many years, caused the distillation of these soils. At the same time the content of active forms of compounds of K in the soils increased appreciably. The author connects this phenomenon with the change in the mineralogical composition of soils. In sectors adjoining the ponds a secondary salting was observed. Analyses of soils, water and pond silt composition are given in the study.

Card 1/1

- 3 -

HUNGARY / Soil Science. Soil Genesis and Geography.

J

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6048.

Author : Szabolc, Istvan.; Abraham, Lajos.

Inst : Not given.

Title : Saline Soils of the Lake Fertő Shore Zone.

Orig Pub: Agrokom. os talaj., 1957, 6, No 2, 99-108.

Abstract: No abstract.

Card 1/1

15

ABRAHAM, Lajos

Imre Prettenhoffer at 60. Agrokem talajtan 9 no.4:433-434
'60.

ABRAHAM, L.

What kind of dwellings should we construct? p. 189.

EPITESUGYI SZEMLE. Budapest, Hungary, No. 6, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

SZABOLCS, I.; ABRAHAM, L.

Improving alkali soils with small doses of reclamation materials.
Agrokem talajtan 13 Suppl.:247-253 My '64.

1. Research Institute of Soil Science and Agricultural
Chemistry of the Hungarian Academy of Sciences, Budapest,
and Institute of Agricultural Experiments in the Southern
Part of the Great Hungarian Plain, Szeged.

EXCERPTA MEDICA Sec 8 Vol 12/5 Neurology May 59

2391. ISOLATION OF COXSACKIE VIRUS IN POLIOMYELITIS CASES - Cocksackie virus izolátása poliomyelitisen betegekben - Ábrahám S. and Lőrincz P. Marosvásárhelyi Víruskutató Lab. és Fertőzőbetegségek Klin., Közl. ORV. SZLE 1958, 4/3-4 (214-219) Tables 2

Coxsackie type A virus was isolated from faeces and CSF of 28 clinical cases diagnosed as poliomyelitis. The relationship between the virus and the disease was confirmed by positive neutralization reactions with the patient's serum. Cross neutralization tests gave negative results. (1, 4, 8)

ABRAHAM, S., Dr.; HORVATH, P., Dr.; KISS, E. Dr.; VENDEG, V., Dr.

Human diseases caused by ecthyma contagiosum ovium. Borgegy. vener.
szemle 12 no.1-2:24-30 Feb-Apr 58.

1. Marosvasarhelyi Orvostudományi és Gyógyszertészeti Felsőoktatási
Intézet Viruskutató Laboratóriumának (Vezető: Dr. Vendeg Vince egyetemi
tanár) közleménye.

(VIRUS DISEASES, case reports
ecthyma contagiosum in man (Hun))

VASASS, Jeno, Dr.; ABRAHAM, Sandor, Dr.; INCZE, Gabor, Dr.

Data on the etiology and therapy of lichen ruber planus. Byorgyogy.
vener. szemle 12 no.6:231-235 Dec 58.

1. A Marosvasarhelyi Orvostudományi és Gyógyszertészeti Intézet Borklin-
ikájának (Vezető: Ujváry Imre dr. egyetemi tanár) és a Víruskutató
Laboratóriumának (Vezető: Vendég Vince dr. egyetemi tanár) közleménye.

(LICHEN PLANUS

possible viral etiol. & tetracycline ther. (Hun))

(VIRUS DISEASES

possible viral etiol. of lichen planus (Hun))

(TETRACYCLINE, ther. use

lichen planus (Hun))

EXCERITA MEDICA Sec 13/Vol 13/1 Dermatology Jan 59

72. DISEASES IN HUMAN BEINGS CAUSED BY ECTHYMA CONTAGIOSUM
OVIVM - Az ekthyma contagiosum ovium által okozott emberi megbetegedések
- Abraham S., Horváth P., Kiss E. and Vendég V. Maros-
vásárhelyi Orvostudományi és Gyógyászati Felsőoktatási Intézet
Viruskutató Lab., Marosvásárhely - BŐRGYÖGY VENER.SZLE
1958, 24/1-2 (24-30) illus. 10

L 00104-66 BXT/T/EED-2/EWP(1) IJP(c) BB/GC

ACCESSION NR: AP5020384

CZ/0088/65/000/004/0348/0364

AUTHOR: Kiefer, F.⁴⁴ Abraham, S.⁴⁴

TITLE: A full-fledged model of machine translation ^{164, 44}

SOURCE: Kybernetika, no. 4, 1965, 348-364

TOPIC TAGS: machine translation, data processing

ABSTRACT: A machine translation model is proposed which takes account of semantic aspects in analysis of the source language and synthesis of the target language. The model is based on a theory for the formal treatment of semantic features recently proposed by the authors. The translation is done in four steps. The input sentence is grammatically analyzed at the first level of step one. The output from the first level gives the underlying kernel sentences and their P-markers, as well as the ordered set of transformational rules applied, if any. The second level is a semantic recognition system which must establish whether the input sentence is semantically correct or anomalous, rule out meanings of words which do not occur in the semantically correct readings of the input sentence, and provide a semantic marker for every reading to check on whether the translation of the sentence has the same semantic reading as the input sentence. The input to the transfer (step two)

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L 00104-66

ACCESSION NR: AP5020384

2

consists of an input dictionary for the first level of step one, readings of words generated by the second level of step one, and IC-rules governing the generation of underlying kernel sentences and the set of transformational rules applied to obtain the input sentences. The output from the transfer is the set of kernel sentences which (after application of the transformational rules) will give the set defined as the translation of the input sentence. Step three expands this set of kernel sentences to generate all meaningful kernel sentences and to provide readings of the set defined as the translation by constructing their semantic markers. In step four, the semantic markers of the input sentences are compared with those of the set defined as the translation, and sentences are selected in which the two sets of semantic markers correspond. A specific example is given. This paper gives only the rough outlines of the system, and the details will be elaborated in further papers. Orig. art. has: 2 figures.

ASSOCIATION: Computing Center of the Hungarian Academy of Sciences, Budapest

SUBMITTED: 12Jan65

ENCL: 00

SUB CODE: DP

NO REF SOV: 000

OTHER: 005

Card 2/2
SW

ABRAHAM, V.

TECHNOLOGY

Periodicals: INDUSTRIA LENTULUI. Vol. 7, no. 10, Oct. 1958

ABRAHAM, V. Aspects of the activities within the Enterprise for Finished Wood Products, relative of the planning and designing of furniture. p. 385

Monthly List of East European Accessions (EMAI) LC, Vol. 8, No.2,
February 1959, Unclass.

LASLO, Ya. [Laszlo, I.]; PETER, M.; FILEP, D. [Filip, D.]; ABRAKHAM, Sh.
[Abraham, A.]; BALINT, Ye. [Balint, E.]; DOMOKOSH, L. [Domocos, L.];
KASA, L. [Qasa, L.]; DERDI, P.; BEDE, Sh. [Bede, S.]

Experimental studies on epidemic hepatitis. Vop. virus. 8 no.2:
221-224 Mr-Apr'63 (MIRA 16:12)

1. Kafedra mikrobiologii i inframikrobiologii Mediko-farmatsevticheskogo instituta Tyrgu-Muresh, Rumyniya.

ABRAHAMER, W.

ABRAHAMER, W. Soiling of insulators of electric lines. p. 135. Vol. 15, no. 6
June 1955. WIADOMOSCI ELECTROTECHNICZNE. Warszawa, Poland.

SOURCE: EAST European Accessions List (EEAL) LC Vol. 5, No. 6, June. 1956

ABRAMOVA-RUTNEVA, L.

I remember with pleasure Soviet women-rotorists. p. 709. (SVET MOTORU, Vol. 10, No. 23, Nov 1956, Praha, Czechoslovakia)

SD: Monthly List of East European Accessions (MEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

ABRAHAMOVIC, M., MUDr.

Hearing disorders in otosclerosis. Cesk. otolar. 5 no.3:
129-135 May 56.

1. Z ORL kliniky hygienické fakulty KU v Praze XII Prednosta
prof. MUDr. Vl. Hlavacek.
(HEARING TESTS, in various diseases,
otosclerosis (Cz))
(OTOSCLEROSIS, physiology,
hearing tests (Cz))

ABRAHAMOVIC, M., MUDr.; SEDLACEK, J., MUDr.

Case of cured thrombosis of the cavernous sinus with simultaneous septic meningitis. Cesk. otolar. 5 no.5: 281-284 Oct 56.

1. Z ORL kliniky lek. fak. hygienicke v Praze 12, prednosta prof. Dr. Vlad. Hlavacek Z ocní kliniky lek. fak. hygienicke v Praze 12, prednosta prof. Dr. J. Janku.

(SINUS THROMBOSIS, complications,

cavernous sinus thrombosis with meningitis, cure (Cz))

(MENINGITIS, complications,

cavernous sinus thrombosis, cure (Cz))

ABRAHAMOVIC, M.

Experiences in the use of an acoustic probe. Cesk. otolar. 7 no.4:
192-199 Aug 58.

1..ORL klinika lek. fak. hygienicke v Praze 12, prednosta prof. Dr.
Vl. Hlavacek. M. A., ORL klin., Praha 12, Srobarova 48.

(OTOSCLEROSIS, surg.

acoustic probe in preop. & postop. exam. (Cz))

(OTITIS MEDIA, surg.

same)

ABRAHAMOVIC, M.; BIAHA, R.; NAUS, A.; PIHRT, J.; STYBLOVA, V.; VEIS, J.

Studies on the state of health in a group of tractor operators. Pracovní
lek. 11 no.6:293-298 Aug 59.

1. Lékařská fakulta hygienická.
(OCCUPATIONS AND PROFESSIONS)

CHLADEK, V.; ABRAHAMOVIC, M.

A modified form of Zeiss microscope for aural microsurgery.
Cesk. otolar. 9 no.1:60-62 F '60.

1. ORL klinika LFH KU v Praze XII, prednosta prof. dr. V. Hlavacek.
(EAR surg.)
(MICROSCOPY)

ABRAHAMOVIC, M.

Role of Weber's calibration test in fenestration. Cesk.otolar.
9 no.2:84-89 '60.

1. ORL klinika lek.fek.hygienicke v Praze 12, prednosta prof.
dr. Vl. Hlavacek,
(FENESTRATION)

ABRAHAMOVIC, M.

Effectiveness of sound-proof devices produced in Czechoslovakia.
Pracovní lek. 12 no.6:294-297 JI '60.

1. Klinika nemoci usních, nosních a krčních lek. fak. hygienické
v Praze 12, přednosta prof. dr. Vlad. Hlavacek.
(NOISE)

CHLADEK, Vladimir; ABRAHAMOVIC, Mikulas

Contribution to clinical aspects of mixed tumors and cylindromas
in otolaryngology. Cas.lek.cesk. 99 no.18:546-550 29 Ap '60.

1. Otolaryngologicka klinika hygienicke fakulty KU v Praze 12,
prednosta prof. dr. Vladimir Hlavacek.

(CYLINDROMA case reports)

(MIXED SALIVARY GLAND TUMOR case reports)

(PAROTID GLAND physiol.)

ABRAHAMOVIC, M.; CHODOUNSKY, Z.

Clinical and therapeutic contribution to salivary gland tumors. Cesk. gastroent. 16 no.2:154-158 Mr '62.

1. ORL - klinika lek. fak. hygienicke KU v Praze 10, prednosta prof. dr. Vladimir Hlavacek Onkologické oddelení fak. nemocnice v Praze 10, vedoucí MUDr. Ladislav Lintner.

(SALIVARY GLAND NEOPLASMS)

ALBERAMOVIC, M.

Postoperative course in stapes surgery in otosclerosis. Czech.
otolaryng. 12 ro. 6:1347-1950 D*63.

1. Otolaryngologická klinika lékařské fakulty hygienické KU
v Praze; přednosta: prof. dr. V. Hlavacek, DrSc.

*

AND HANONICZ, M.

Aspects of auditory adaptation and fatigue in different types
of conductive deafness. Cesk. otolaryng. 13 (1963-64) 11-16.

1. Otolaryngologická klinika lékařské fakulty hygienické Karlovy
University v Praze (prezident prof. dr. V. Slavánek, Praha.).

SOBESLAVSKY, O.; SYRUCH, I.; BRUCKOVA, M.; HERDEGEN, L.; STICHEN-MERTHOVA, E.;
ZAPLETAL, A.; SAMANOVÁ, L.; DANESOVÁ, J.; ABRAMOVIC, M.; KOTJEL,
D.; PIRETA, Z.

A contribution on the ecology of Mycoplasma pneumoniae infections.
J. hyg. epidem. (Praha) 9 no.1:86-94 '65

1. Institute of Epidemiology and Microbiology, Prague, 2nd and
4th Pediatric Clinics of the Medical Faculty, Chair of Preventive
Pediatrics of the Medical Faculty, Paediatric, Otorhinolaryngologic-
al and Medical Clinics of the Medical Hygiene faculty, Charles
University, Prague.

SOV / 137-58-7-14033

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 7 (USSR)

AUTHORS: Abramov, N., Radayev, V., Abraimov, D.

TITLE: Complex Utilization of the Ores of the Aktyuz Deposit (Kompleksnoye ispol'zovaniye rud Aktyuzskogo mestorozhdeniya)

PERIODICAL: Prom. Kirgizii, 1957, Nr 2-3, pp 11-15

ABSTRACT: A brief description is provided of the work of scientific research institutions toward complex utilization of the ores of this deposit. The 1948-1955 ore-dressing flowsheet, flowsheets for flotation-and-gravitational production of Sn concentrate, Mo middlings, and a concentrate containing "R" are presented.

A. Sh.

1. Ores--Processing 2. Scientific research--Applications

Card 1/1

USSR/Pharmacology. Toxicology. Chemotherapeutic Drugs. B) Sulfon- V
amides.

Abs Jour : Ref Zhur - Biol., No II, 1958, No 52123

Author : Abraitiene L.

Inst : -

Title : Treatment of Trachoma with Intravenous and Subcutaneous In-
jections of a 0.5 percent Solution of Sodium Sulfidine.

Orig Pub : Sveikatos apsauga, 1957, No 3, 37-40

Abstract : One hundred sixty patients with trachoma were treated with
intravenous and subcutaneous injections of a 0.5 percent
solution of sodium sulfidine. The duration of treatment
was 1 1/2-2 months. The majority of the patients recovered;
in 6, the course of therapy had to be repeated.

Card : 1/1

ABRAITIS, Blazejus, prof., doktor med. nauk; RIMKUNAS, A., red.;
GOTLERIS, D., tekhn. red.

[Human embryology] Zmogaus embriologija. Vilnius, Valstybine
politines ir mokslines literaturos leidykla, 1962. 234 p.
(MIRA 16:5)

(EMBRYOLOGY, HUMAN)

SABOL'CH, I.; ABRAXHAM, L.

Using small amounts of soil conditioners on Solonetz and Solonetz-type soils of the Great Hungarian Plain. Pochvovedenie no.3:56-62
Mr. '59. (MIRA 12:11)

1. Nauchno-issledovatel'skiy institut pochvovedeniya i agrokhimii
AN Vengrii, Budapesht.
(Hungary--Solonetz soils) (Soil conditioners)

AUTHOR: Abrahams, S.

74-27-1-4

TITLE: Stereochemistry of the Elements of the Subgroup of Oxygen
(Stereokhimiya elementov podgruppy kisloroda)

PERIODICAL: Uspekhi Khimii, 1958, Vol. 27, Nr 1, pp. 107 - 131 (USSR)

ABSTRACT: As known the elements of the subgroup mentioned above form chemical compounds with one (to 6) other atoms. The knowledge concerning the nature of the different types of chemical compounds has increased during the last 10 years. This paper is an experiment to give a summary review of the most important information concerning the geometrical and electron configuration of the atoms of the subgroup mentioned above. The development of the compounds with bivalent oxygen is described by the example of the water-molecule. If in the formation of this molecule only γ -orbits of the oxygen atom were used, the H-O-H angle would be 90° . By experiment, however, it was ascertained that it is 104.5° . Thus in the development of the compounds also the S-orbits are of a certain importance. With the exception of ozone, the angles are 109.5° .

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Stereochemistry of the Elements of the Subgroup of Oxygen

74-27-1-4/4

(and a little smaller, if the oxygen atom is not combined with one or two aromatic groups). (See Table 1). There are only few data on oxygen containing compounds of a valence of more than 2. There are no definite data on compounds either, in which oxygen has 4 covalent compounds at the same time. Furthermore, the structure of the hydrogen peroxide is discussed. As to the crystallographic investigation of the addition compound product hydrogen peroxide-urea: see the graph and computations. The radiographic investigation of the solid hydrogen peroxide (at -20°) gave the value $\varphi = 94^{\circ} \pm 1,5^{\circ}$. According to spectroscopic investigations Giguère declared the angle for hydrogen peroxide as $80^{\circ} \pm 10^{\circ}$. Then the author discusses the compound oxygen-oxygen (see table 2 and figure 2). The compound carbon-oxygen is discussed in detail, too. The results of the latest investigations agree with the values $1,43 \text{ \AA}$ obtained for the mono- and $1,17 \text{ \AA}$ for the binary compound (see table 3). The valence angle, formed by sulfur, is shown in table 4. There are no reliable data yet concerning the ramified metasulfide chains. Whereas there are very good data concerning rings, spirals and other nonramified formulae. On the lengths of the compounds sulfur-sulfur and the angles between 2 surfaces in

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Stereochemistry of the Elements of the Subgroup of Oxygen

74-27-1-4/4

sulfur compounds see tables 5 and 6. It can be seen from them that crystallizing compounds in cis-form have clear angles between surfaces of more than 90° , and compounds in trans-form of less than 90° . On the lengths of the compounds carbon-sulfur and those of nitrogen-sulfur in heterocyclic molecules see tables 7 A and B, 8. Furthermore, the author deals with the stereochemistry of selenium, the compounds selenium-selenium and the results of the investigations carried out last. There are 20 tables and 243 references, 4 of which are Soviet.

1. Oxygen--Analysis
2. Stereochemistry--Applications

Card 3/3

ACCESSION NR: AR4042233

S/0124/64/000/006/V054/V054

SOURCE: Ref. zh. Mekhanika, Abs. 6V436

AUTHOR: Abrahamsen, Ye.

TITLE: Influence of initial sheathing on strength under a compressing load

CITED SOURCE: Sh. Materialy* 1-go Mezhdunar. kongressa po konstruktii
prochn. sudov, 1961. L., Morsk. transport, 1963, 509-525

TOPIC TAGS: flat plate, terminal deflection, initial deflection, initial
sheathing

TRANSLATION: Discussed influence of initial deflection on strength of flat,
rectangular panels. Derives the Föppl-Marguerre equations (K. Marguerre,
Luftfahrtforschung, 1937, 14) of terminal deflection of flat plates with initial
deflection, and analyzes a number of solutions, based on this system of two
equations. Gives a graph of dependence of initial deflection of a welded and

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ACCESSION NR: AR4042233

and riveted panel on thickness of the plate. Expounds problem of wrinkling of bottoms of ships with transverse system of set and possible calculation problems, appearing in connection with this. Analyses certain data of experiments. Considers carrying ability of plate and gives the width of the plate under uniform compression. Bibliography: 95 references.

SUB CODE: AS

ENCL: 00

Card 2/2

MAROSH, Tibor [Maros, T.]; KELEMEN, Iozhef [Kelemen, J.]; NAD', Bela [Nagy, B.];
ABRAHAM SHANDOR (Tyrgu-Muresh)

Effect of transplanting separate pieces of the liver into the abdominal cavity and central nervous system (data on the mechanism of formation of symptoms in the nervous system in hepatic insufficiency). Arkh. pat. 21 no. 10:39-45 '59.
(MIRA 14:8)

1. Iz kafedry topograficheskoy anatomii i operativnoy khirurgii (zav. - prof. Marosh Tibor) i kafedry biokhimii (zav. - prof. Kovach Endre) Mediko-farmatsevticheskogo instituta g. Tyrgu-Muresh, Rumynskaya Narodnaya Respublika.
(LIVER--TRANSPLANTATION) (BRAIN) (ABDOMEN)

AbraKhanova B.N.
NAZIROV, M.P.; ABRAKHANOVA, B.N.

Hyaluronidase in patients suffering from brucellosis; author's abstract.
Zhur.mikrobiol.epid. i immun. 29 no.2:106-107 F '58.

(MIRA 11:4)

1. Iz kafedry malyarii i meditsinskoy parazitologii Azerbaydzhanskogo
instituta usovershenstvovaniya vrachey.

(HYALURONIDASE,

metab. in brucellosis (Rus)

(BRUCELOSIS, metabolism,

hyaluronidase (Rus)

ABRAKHANOVA, B.N., doktor

Recurrences of the suppurative process in the scarred area of
a bone defect following penetrating gunshot wounds of the cranium.
Azerb. med. zhur. no.2:81-83 P '59. (MIRA 12:3)

1. Iz I fakul'tetskoy kliniki (sav, klinikoy - akademik AN Azer SSR
prof. M.A. Tonchibashev) Azerbaydzhanskogo gosudarstvennogo meditsi-
niskogo instituta im. N. Narimanova.
(SKULL WOUNDS AND INJURIES)

ABRAKHANOVA, B.N.

Significance of the determination of pyruvic acid in the blood in
brucellosis. Azerb.med.shur. no.12:41-44 D '59. (MIRA 13:4)

1. Iz kafedry malyarii i meditsinskoy parazitologii (nauchnyy rukovoditel' - prof. M.R. Nasirov) Azerbaydzhanskogo instituta usovershenstvovaniya vrachev.
(PYRUVIC ACID) (BRUCELOSIS)

ABRAKHANOVA, B.N.

Case of a solitary cysticercus of the musculus rectus abdominis.
Azerb.med.shur. no.3:69-70 Nr '60. (MIRA 13:6)
(CYSTICERCOSIS) (MUSCULUS RECTUS ABDOMINIS--DISEASES)

TOPCHIBASHEV, M.A.; ABRAKIANOVA, B.N.

Effect of hypothermia on the course of peritonitis. Trudy Sekt.
fiziol. AN Azerb. SSR 4:23-27 '60.
(HYPOTHERMIA) (PERITONITIS) (MIRA 15:1)

TOPCHIBASHEV, M.A., prof., zasluzhennyy deyatel' nauki; ABRAKHANOVA, B.N.,
doktor

Influence of medicinal inhibition on the course of an acute infectious
process. Azerb. med. zhur. no.9:12-15 S '60. (MIRA 13:9)

1. Iz 1-y fakul'tetskoy khirurgicheskoy kliniki Azerbaydzhanskogo
meditsinskogo instituta im. N.Narimanova (zav. - deystv. chlen AMN
SSSR, akad. AN AzerbSSR, zasluzh. deyatel' nauki, prof. M.A. Topchibashev).
(SLEEP—THERAPEUTIC USE) (ANOBARBITAL)
(INFECTION)

ABRAKHANOVA, B.N., mladshiy nauchnyy sotrudnik

Early diagnosis of intestinal damage in closed abdominal injury.
Azerb. med. zhur. no. 5:81-85 My '61. (MIRA 14:4)

1. Iz sektora fiziologii AN Azerbaydzhanskoy SSR.
(ABDOMEN—WOUNDS AND INJURIES) (INTESTINES)

ABRAKHANOVA, B.M.

Effect of hypnotic inhibition and neurovegetative block on
body temperature and leucocytosis following the infection
of the abdominal cavity. Izv. AN Azerb. SSR Ser. biol. i med.
nauk no.8:125-130'61. (MIRA 16:8)

(PERITONITIS)

(NERVOUS SYSTEM)

AERAKHANOVA, B.N.

Effect of total cooling of the abdominal wall on the course of
experimental peritonitis. Dokl. AN Azerb. SSR 17 no.10:963-
965 '61. (MIRA 14:12)

1. Sektor fiziologii AN AzSSR. Predstavleno akademikom AN
AzSSR M.A. Topchibaevym.
(PERITONITIS)
(COLD-THERAPEUTIC USE)

ABRAKHANOVA, B.N.

Local hypothermia in the inflammation process in the abdominal
cavity. Azerb. med. zhur. no.6:20-22 Je '62.

(MIRA 17:8)

H. THOMAS, JR.; BERNARD W., JR.

Role of the lysozyme and lysozyme-inhibitor system in the pathogenesis of peritonitis. *Izv. vuz. med. nauch. ts. 12*, 10-24, 1982. (Mik 17:4)

ABRAKHANOVA, B.N.

Local cooling as a nonspecific stimulant of defense reactions during
peritonitis. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.1:101-107
'63. (MIRA 17:5)

NAZIROV, M.R., prof.; ABRAXHANOVA, B.N.

Possible relation of the dynamics of Wright's reaction to blood proteins. Azerb. med. zhur. 40 no.8:9-15 Ag '63.

(MIRA 17:12)

NAZIROV, M.R.; ABRAKHANOVA, B.N.

Possibility of the dependence of Wright's reaction on the blood
serum proteins. Zhur. mikrobiol., epid. i immun. 41 no.10:
80-84 '64.
(MIRA 18:5)

1. Azerbaydzhanskiy gosudarstvennyy institut usovershenstvovaniya
vrachey.

USSR/Microbiology - Microbes Pathogenic for Man and Animals.
Drucellae

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99452
Author : Nazirov, M.R., Abrakhanova, E.N.
Inst : -
Title : Hyaluronidase Content in Patients with Drucellosis.
Orig Pub : Zh. mikrobiol., epidemiol. i immunobiol., 1958, No 2,
106-107
Abstract : No abstract.

Card 1/1

ABRAKHANOVA, Kh. N. Cand Med Sci -- (diss) "X-Ray Kymographic
Study of the Functional ^{Condition} ~~Composition~~ of the Heart in Infants ^{upon} ~~During~~
~~With the First~~ the First Attack of Rheumatism." Baku, 1957.
16 pp 21 cm. (Inst of Pediatrics Academy of Medical Sciences USSR),
200 copies (KL, 26-57, 112)

- 108 -

~~ABRAKHANOVA, K. K.~~

Roentgenokymographic method of determining the functional status
of the heart in children during the first attack of rheumatism.
Dokl. AN Azerb. SSR 13 no.4:415-418 '57. . (MLRA 10:7)

1. Predstavleno akademikom Akademii nauk Azerbaydzhanskoy SSR
M.A. Topchibashevym.
(HEART-RADIOGRAPHY) (RHEUMATISM) (CHILDREN--DISEASES)

ABRAKHANOVA, Kh.N., kand. med. nauk

Dynamics of changes in the X-ray picture of bones of
children in Cooley's congenital familial hemolytic anemia.
Vest. rent. i rad. 38 no.6:18-23 M.D. '63.

(MIRA 17:6)

1. Iz Azerbaydzhanskogo nauchno-issledovatel'skogo instituta
okhrany materinstva i detstva imeni N.K. Krupskoy (direktor -
kand. med. nauk K.Ye. Faradzheva; nauchnyy rukovoditel' -
kand. med. nauk S.I. Gadzhayeva).

ABRAKHANOVA-AKHMEDBEYLI, B.N.

Materials on the pathogenesis of the permeability of capillaries
in brucellosis and their clinical importance. Azerb. med. zhur.
41 no. 11:16-23 N '64.
(MIRA 18:12)

1. Submitted Oct. 18, 1963.

YERSHOV, I.I., kand. biol. nauk; ABRAKHINA, Yu.V.

Effect of growing conditions on the morphological and biological characteristics of garlic. Agrobiologiya no.1:86-93 Ja-F '65.
(MIRA 18:4)

1. Gribovskaya oboshchnaya selektsionnaya opytnaya stantsiya.

KEDROV, Aleksey Alekseyevich; NAUMENKO, Andrey Ivanovich; KUPALOV, P.S.,
professor, zasluzhennyy deyatel' nauki, redaktor; ABRAKOV, L.V.,
redaktor; RUIEVA, M.S., tekhnicheskii redaktor

[Clinical illumination of problems in the physiology of intra-
cranial blood circulation; experimental research] Voprosy fiziolo-
gii vnutricherepnogo krovoobrashchenia s klinicheskimi ikh osve-
shcheniem; eksperimental'noe issledovanie. Pod. red. P.S. Kupalova.
[Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe otd-nie, 1954.
133 p.
(MLRA 7:9)

1. Deystvyuyushchii chlen Akademii meditsinskikh nauk SSSR (for Kupalov)
(Head--Blood supply)

PETROV, Nikolay Nikolayevich, professor, akademik, zasluzhennyy deyatel' nauki;
ABRAKOV, L.V., redaktor; RULEVA, M.S., tekhnicheskij redaktor.

[Problems in surgical deontology] Voprosy khirurgicheskoi deontologii.
Izd. 5-oe, perer. Leningrad. Gos.izd-vo med.lit-ry, Leningradskoe
otd-nie, 1956. 62 p.
(MIRA 9:6)

1. Chlen-korrespondent AN SSSR, deystvitel'nyy chlen AMN SSSR. (for
Petrov).

(MEDICAL ETHICS)

ABRAKOV, L.V.

KUSLIK, Mikhail Isaakovich, zasluzhennyy deyatel' nauki, prof.;
ABRAKOV, L.V., red.; KHARASH, G.A., tekhn.red.

[Orthopedic treatment of spastic paralysis] Ortopedicheskoe
lechenie spasticheskikh paralichei. [Leningrad] Gos.izd-vo med.
lit-ry, Leningr. otd-nie, 1957. 113 p. (MIRA 10:12)
(Paralysis, Spastic)

KHROMOV, Boris Mikhaylovich; ABRAKOV, L.V., red.

[Acute suppurative surgical diseases] Ostrye gnoinye
khirurgicheskie zabolevaniia. Izd.2., dop. i perer.
Leningrad, Meditsina, 1965. 318 p. (MIRA 18:2)

VESELKIN, P.N. professor; ABRAMOV, L.V., redaktor; KHARASH, G.A., tekhnicheskii redaktor.

[Physiological mechanisms of fever reaction; collection of works of the Department of General Pathology of the Academy of Medical Sciences and the Department of General Pathology of the Leningrad Kirov State Institute of Advance Training for Physicians.] Fiziologicheskie mekhanizmy lihoradochnoi reaktsii; sbornik rabot Otdela obshchei patologii IKM AMN SSSR i Kafedry obshchei patologii Leningradskogo GIDUV im. S.M. Kirova. Pod red. P.N. Veselkina. [Leningrad] Gos. izd-vo med. lit-ry. Leningradskoe otd-nie, 1957. 353 p. (MIRA 16:4)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut eksperimental'noy meditsiny. Otdel obshchei patologii. 2. Chlen-korrespondent Akademii Meditsinskikh Nauk SSSR (for Veselkin). (FEVER)

VILENSKIY, Boris Sergeyevich, kand.med.nauk; ABRAMOV, L.V., red.;
GULYAYEVA, T.S., tekhn.red.

[Radiculitis; treatment and prevention] Radikulit. Lechenie
i preduprezhdenie; populiarnyi ocherk. Leningrad, Gos.izd-vo
med.lit-ry, Leningr.otd-nie, 1958. 31 p. (MIRA 13:7)
(NERVES, SPINAL--DISEASES)

ABRAKOV, L.V., kand.med.nauk

Some peculiarities in the anatomy of the radices and blood vessels of the cervical portion of the spinal cord and their role in practical neurosurgery. Sbor. nauch. trud. GIDUV no. 14:4-14 '58.
(MIRA 13:10)

1. Iz kafedry operativnoy khirurgii (zav. kafedroy prof. A.P. Nadein) i kafedry neyrokhirurgii gosudarstvennogo instituta dlya usovershenstvovaniya vrachey.
(NERVES, SPINAL--SURGERY) (SPINAL CORD--BLOOD SUPPLY)

FEDOROV, Vladimir Konstantinovich; ABRAMOV, L.V., red.; LIVSHITS, D.A.,
tekhn.red.

[Neuroses, psychopathies, and reactive psychoses] Nevrozy,
psikhopatii i reaktivnye psikhozy. Leningrad, Gos.izd-vo med.
lit-ry. Leningr.otd-nie, 1959. 73 p. (MIRA 13:11)
(MENTAL ILLNESS)

DAVIDENKOVA-KUL'KOVA, Yevgeniya Fedorovna; ABRAKOV, L.V., red.; KHARASH,
G.A., tekhn.red.

[Diencephalic epilepsy; seizures in diseases of the hypothalamic
region in clinical practice and under experimental conditions]
Dientsfal'naya epilepsia; pripadki pri porazhenii podbugrovoi
oblasti v klinike i eksperimente. Leningrad, Gos.izd-vo med.
lit-ry. Leningr.otd-nie, 1959. 291 p. (MIRA 13:5)
(EPILEPSY)

UGRYUMOV, Veniamin Mikhaylovich; VASKIN, I.S.; ABRAMOV, L.V.

[Operative neurosurgery; manual for physicians] Operativnaia
neirokhirurgiya; posobie dlia vrachei. Leningrad, Medgiz, 1959.
314 p. (MIRA 13:7)

(NERVOUS SYSTEM--SURGERY)

BEKHTEREVA, Natal'ya Petrovna; ABRAMOV, L.V., red.; RULEVA, M.S., tekhn.
red.

[Biopotentials of the cerebrum in supratentorial tumors] Biopoten
tsialy bol'shikh polusharii golovnoy mozga pri supratentorial'nykh
opukholiakh. Leningrad, Gos. izd-vo med. lit-ry Medgiz, 1960. 186 p.
(BRAIN--TUMORS) (ELECTROENCEPHALOGRAPHY) (MIRA 14:7)

POPOV, Nikolay Aleksandrovich; ABRAKOV, L.V., red.; RUJEVA, M.S.,
tekhn. red.; CHUNAYEVA, Z.V., tekhn. red.

[Intracranial tumors; difficulties and mistakes ~~in~~ diagnosis
(clinical essays)] Vnutricherepnye opukholi; trudnosti i oshib-
ki diagnostiki (klinicheskoe ocherki). Leningrad, Medgiz, 1961.
202 p. (MIRA 15:7)

(BRAIN---TUMORS)

KURENGALEYEV, Salikh Mukhutdinovich, prof.; ABRKOV, L.V., red.;
KHARASH, G.A., tekhn. red.

[Radical surgical treatment of trigeminal neuralgia]Radikal'-
noe khirurgicheskoe lechenie nevrал'gii troinichnogo nerva. Le-
ningrad, Medgiz, 1961. 255 p. (MIRA 16:2)
(NEURALGIA, TRIGEMINAL)

KCZYREV, Valentin Arkhipovich; ABRAKOV, L.V., red.; LEBEDEVA, Z.V.,
tekhn. red.

[Cranioostenosis; clinical aspects and surgical treatment]Kra-
niostenoz; klinika i khirurgicheskoe lechenie. Leningrad, Med-
giz, 1962. 174 p. (MIRA 16:2)
(SKULL--ABNORMITIES AND DEFORMITIES)

BABCHIN, I.S., prof.; BABANOVA, A.G., doktor med. nauk; BLOKHIN, N.N., prof.; PONDARCHUK, A.V., prof.; GAL'PERIN, M.D., prof.; GOL'DSHTAYN, L.M., prof.[deceased]; DYMARSKIY, L.Yu., kand. med. nauk; KARPOV, N.A., prof.; KOYRO, M.A., nauchn. sotr.; LARIONOV, L.F., prof.; LITVINOVA, Ye.V., kand. med. nauk; MEL'NIKOV, R.A., kand. med. nauk; NECHAYEVA, I.D., doktor med. nauk; PETROV, Nikolay Nikolayevich, prof.; PETROV, Yu.V., kand. med. nauk; RAKOV, A.I., prof.; ROGOVENKO, S.S., kand. med. nauk; SENDUL'SKIY, I.Ya., prof.; SEREBROV, A.I., prof.; SMIRNOVA, I.N., kand. med. nauk; TAL'MAN, I.M., prof.; TOBILEVICH, V.P., prof.; TRUKHALEV, A.I., kand. med. nauk; Kholdin, Semen Abramovich, prof.; CHEKHARINA, Ye.A., kand. med. nauk; CHECHULIN, A.S., kand. med. nauk; SHAAK, V.A., prof.[deceased]; SHANIN, A.P., prof.; SHAPIRO, I.N., prof.[deceased]; SHEMAKINA, T.V., kand. med. nauk; SHERMAN, S.I., prof.; ABRAMOV, L.V., red.; LEBEDEVA, Z.V., tekhn. red.

[Malignant tumors] Zlokachestvennyye opukholi; klinicheskoe rukovodstvo. Leningrad, Medgiz. Vol.3. Pts.1-2. 1962. (MIRA 16:5)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Blokhin, Petrov, Serebrov). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Kholdin).

(CANCER)

ABRAKOV, L.V., kand. med. nauk (Leningrad); VVEDENSKAYA, I.V. kand. biologicheskikh nauk (Leningrad); DIL'MAN, V.M., kand. med. nauk (Leningrad).

Mechanism of massive changes in bioelectrical activity in metastasizing tumors of the brain. Vop. neurokhir. 26 no.5:35-40 S-0 '62. (MIRA 17:4)

1. Leningradskiy neyrokhirurgicheskiy institut imeni prof. A.L. Polenova i Institut onkologii AMN SSSR.

DOTSENKO, Stepan Nikolayevich; ABRAKOV, L.V., red.; ONOSHKO, N.G.,
tekhn. red.

[Myopathies; clinical aspects and treatment] Miopatii; kli-
nika i lechenie. Leningrad, Medgiz, 1963. 93 p.

(MIRA 16:7)

(MUSCLES--DISEASES)

ABRAKOV, L.V., kand. med. nauk; BLINOV, N.I., prof.; GADZHIYEV, S.A.,
prof.; GODUNOV, S.F., prof.; ZVORYKIN, I.A., prof.; ZEBOL'D,
A.N., prof.; KOROTKEVICH, N.S., dots.; MARLEY, Ye.F.; MASLOV,
S.I., kand. med. nauk; NADEIN, A.P., prof.; POSTNIKOV, B.N.,
prof.; ROZOV, V.I., prof.[deceased]; UGRYUMOV V.M., prof.;
KHROMOV, B.M., prof.; UDERMAN, Nikolay Il'ich, red.; KHARASH,
G.A., tekhn. red.

[Manual on surgical interventions for surgeons of rural sec-
tional and district hospitals] Rukovodstvo po operativnym vme-
shatel'stvam dlia khirurgov sel'skikh uchastkovykh i raionnykh
bol'nits. Izd.2., ispr. i dop. Leningrad, Medgiz, 1963. 390 p.
(MIRA 16:7)

(SURGERY—HANDBOOKS, MANUALS, ETC.)

ANOSOV, Nikolay Nikolayevich; VILENSKIY, Boris Sergeyevich; ABRAMOV,
L.V., red.; KHARASH, G.A., tekhn. red.

[Ischemic insultus; thrombosis of the cerebral vessels]
Ishemicheskii insul't; tromboz sosudov golovnog mozga.
Leningrad, Medgiz, 1963. 286 p. (MIRA 16:11)
(CEREBROVASCULAR DISEASE) (THROMBOSIS)

ABRAKOV, L.V.; BARANOVA, A.G.; DYMARSKIY, L.Yu.; DYAD'KOVA, A. M.;
RABKOVA, L.M.; RAKOV, A.I.; SEREBROV, A.I.; SMIRNOVA, I.N.;
KHOLDIN, S.A.; TSEL', Ye.A.; CHEKHARINA, Ye.A.; SHABASHOVA,
N.Ya.; SHANIN, A.P.

Reviews. Vop. onk. 11 no.7.116-126 '65.

(MIRA 18:9)

AI'RENSKIY, A.V.

1 52212-65 ENT(m)/ENT(w)/ENA(d)/T/ENT(+)/ENT(h) TIT(-) in

ACCESSION NR: AP5010127

UR/0167/65/000/001/0077/0084

AUTHORS: Abralov, M. A. Dyatlov, V. I.

TITLE: New method for a study of hot cracks' formation during the crystallization of alloys

SOURCE: AN UzSSR. Izvestiya. Seriya tekhnicheskikh nauk, vol. 1, 1965, 77-84

TOPIC: Hot cracks, lead, alloys

ABSTRACT: Three metals were studied: 99.9% pure tin, and two alloys of tin with lead, as shown in Fig. 1 on the Enclosure. On the right side is 100% Sn, on the left side is 100% Pb. The working method is illustrated in Fig. 2 on the Enclosure. The specimen 1 has the dimensions 130 x 80 x 8 mm. Cooling water is circulated through channels 3, and breaking occurs along the axis x. Heat is brought through 5, a stainless steel rod of 4.5 mm diameter. Item 6 is a heat resistant plate, and the thermocouples are 7. The width of the crystallizing metal under study is represented by dimension a, between 10 and 15 mm. Deformation was measured on a calibrated plate 8. The formation of cracks is described as a function of the temperature and of the speed with which the deforming force is applied. Motion picture frames illustrate the explanations. It is concluded that the number and the

Cord 1/42

L 52222-65

ACCESSION NR: AP5010127

... known, contradictory ...

... Kiyevskiy ordena Lenina politekhnicheskoy ...

SUBMITTED: 15 May 64

ENCL: 02

SUB CODE: 104

NO REF SCV: 014

OTHER: 003

Card 2/1

L 04653-67 EWP(c)/EWP(k)/EWT(d)/EWT(m)/T/EWP(v)/EWP(t)/EWP(1)/ETI IJP(c)

ACC NR: AP6014442

SOURCE CODE: UR/0125/65/000/012/0070/0071

AUTHORS: Shnayder, B. I.; Abralov, M. A. JD/HM

ORG: none

TITLE: Crystallization of welding vat during welding of thin metal specimens

SOURCE: Avtomaticheskaya svarka, no. 12, 1965, 70-71¹⁴

TOPIC TAGS: welding, steel, welding technology, welding inspection, seam welding /
1Kh18N10T steel¹⁴

ABSTRACT: The crystallization process taking place in the welding vat (seam) during welding of thin 1Kh18N10T steel specimens (0.3--1.0 mm) was studied. The process was studied by motion picture techniques. Pictures of the experimental installation and of the welding vat at various stages of crystallization are presented. It was found that crystallization sets in at the lower metal edge, is arrested briefly, and is completed in 0.488 seconds. Orig. art. has: 2 graphs.

SJB CODE: 11/ SUBM DATE: none

13/

14

Card 1/1

UDC: 621.791.856:542.65

I 65082-65 EPA(s)-2/EWT(m)/T/EWP(t)/EWP(b)/EWA(e)
ACCESSION NR: APS021210

621.791.0:621.746.75

AUTHOR: Dyatlov, V. I. (Doctor of technical sciences); Abramov, M. A. (Engineer)

TITLE: Investigating the formation of cracks in welds during welding and

SOURCE: Avtomaticheskaya svarka, no. 8, 1968, 11-24

TOPIC TAGS: polygonization crack, crack formation, hot crack, welding crack, weld joint, dilatational strain, solidus, intercrystalline cracks, crystallite, dislocation boundary, near eutectic metal

ABSTRACT: There is no common consensus on the causes of the formation of hot cracks during welding. Thus while some investigators attribute these cracks to the existence of a residual liquid phase in the interstices in between the crystals of the already solidified part of the molten pool and the consequent formation of cracks in the weld joints as a result of relative displacement of the crystals during dilatational strains, others reject this concept and argue the formation of cracks is due to the possible appearance of cracks in the weld metal.

Ushakov, M. A., Movchan (Avtomaticheskaya svarka, no. 8, 1968) shows that physical and chemical inhomogeneities develop in the process of crystallization of the weld joint and at the same time crystal-lattice defects (dis-

Card 1/3

L 65082-55

ACCESSION NR: AP5021219

locations) appear beyond the crystallization front (below the solidus); these defects may accumulate in energetically convenient locations, i.e. form polygonization boundaries. Intercrystalline fracture in weld joints with monophase structure occurs along these boundaries. To verify these theories, the authors investigated with the aid of a specially developed method

the formation of cracks and cracks associated with the formation of new boundaries -- granulation of the solidified metal as a result of crystallization during the crystallization of pure tin (99.9% Sn), its alloys with Pb of eutectic composition (64.4% Sn, 35.3% Pb) and alloys with a large crystallization interval (77.2% Sn, 22.5% Pb). The method of investigation was based on creating a stationary temperature field on a thin plate of the investigated metal, with the aid of a linear heat source (a rod of stainless steel of 4.5 mm diameter, heated by current to 500 A) moved over the plate so as to obtain a circular molten spot of the metal. Following its crystallization, the plate was etched in a solution of

for magnification. Comparison of the film frames with the temperature field recorded by the thermocouples yielded data on the site and temperature of

Card 2/3

L 24703-66

EWT(m)/EWP(w)/EWA(d)/T/EWP(t)

IJP(c) JD/JH

ACC NR: AP6008683

SOURCE CODE: UR/0167/66/000/001/0061/0066

AUTHORS: Dyatlov, V. I.; Abralov, M. A.

ORG: Kiev Polytechnical Institute (Kiyevskiy politekhnicheskiy institut), Tashkent Polytechnical Institute (Tashkentskiy politekhnicheskii institut)

TITLE: Investigation of the plastic properties of technical aluminum during its crystallization from the melt

SOURCE: AN UzSSR. Izvestiya. Seriya tekhnicheskikh nauk, no. 1, 1966, 61-66

TOPIC TAGS: gas turbine, metal crystal, plasticity, brittleness, aluminum, aluminum, metallurgic testing machine, metal crystallization/ AVOO

ABSTRACT: This investigation was conducted to test the hypothesis concerning the intercrystalline strength of metals, proposed by N. N. Prokhorov (Goryachiye treshchiny pri svarke, Mashgiz, 1952). The change in the elastic properties of aluminum AVOO during its crystallization from the melt was determined. The experimental procedure followed has been described earlier by M. A. Abralov and V. I. Dyatlov (Inv. AN UzSSR, 1964, No. 1). A schematic of the experimental installation is presented, and the experimental results are shown graphically (see Fig. 1). It is concluded that for melts consisting of a single phase the brittleness of the metal during crystallization is caused by the formation of polygonic boundaries in the solid. The temperature interval of brittleness for a single phase melt was found to be lower

Card 1/2

L 24703-66

ACC NR: AP6008683

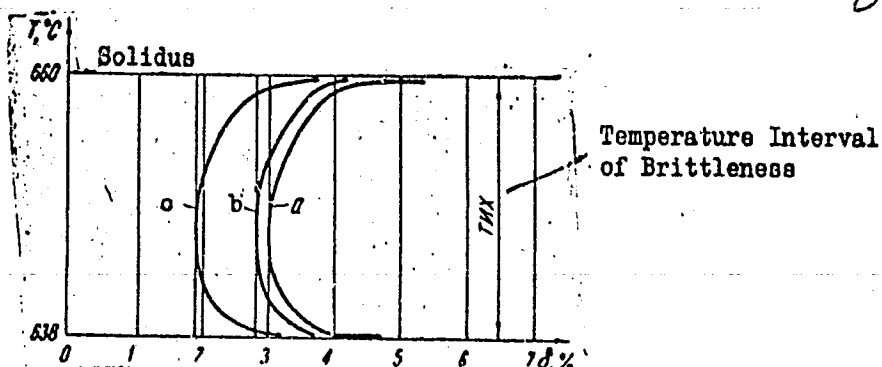


Fig. 1. Influence of the rate of deformation on the change in plasticity in the brittleness temperature interval: a - rate of deformation - 22 mm/min; minimum plasticity - 3%; b - rate of deformation 40 mm/min; minimum plasticity - 2.8%; c - rate of deformation - 60 mm/min; minimum plasticity 1.9%.

than the temperature of the solidus. The plasticity in the above temperature interval is low and decreases with increase in the rate of forced crystal deformation in the melt. Orig. art. has: 5 graphs.

SUB CODE: 11/ SUBM DATE: 02Feb65/ ORIG REF: 007/ OTH REF: 004

Card 2/2

ACC NR: AP7004193 (N) SOURCE CODE: UR/0125/67/000/001/0026/0030

AUTHOR: Dyatlov, V. I.; Abralov, M. A.; Shnayder, B. I.

ORG: [Dyatlov; Abralov] Kiev Polytechnic Institute (Kiyevskiy politekhnicheskiy institut); [Shnayder] Electric Welding Institute im. Ye. O. Paton, AN UkrSSR (Institut elektrosvarki)

TITLE: Primary crystallization in the metal bath during the welding of light gage material

SOURCE: Avtomaticheskaya svarka, no. 1, 1967, 26-30

TOPIC TAGS: crystallization, metal crystallization, metal crystal, metal inspection, metal welding

ABSTRACT: A welding bath crystallization process, which occurs during low voltage arc welding of light-gage metals (0.2 to 0.1 mm), has been recorded cinematographically. Crystallization begins at the edges of the bath and proceeds stepwise, at low welding speeds, from one fusion line to another towards the weld axis with some overlapping of the latter. Crystallization in the welding bath

Card 1/2

UDC: 621.791:542.65

ACC NR: AP7004193

proceeds at variable rates. The period of accelerated crystal growth is followed by periods of extremely inhibited growth. Orig. art. has: 5 figures. [AM]

SUB CODE: 13/SUBM DATE: 24Nov65/ORIG REF: 009/

Card 2/2

1. ABRILEV, T. M.
2. USSR (600)
4. Pharmacy - Uzbekistan
7. Pharmacy in Uzbekistan. Apt. delo no. 6, 1952

9. Monthly List of Russian Acquisitions. Library of Congress. March 1953. Unclassified.

ABRALOV, T.M.

Development of the pharmaceutical network in the state and
collective farms of the Uzbek S.S.R. Apt. delo 12 no.6:17-
20 N-D '63. (MIRA 37:2)

1. Tashkentskiy gosudarstvennyy institut usovershenstvovaniya
vrachey i farmatsevticheskiy fakul'tet I Moskovskogo ordena
Lenina meditsinskogo instituta imeni I.M. Sechenova.

ABRAHAM, T.H.

rate of development of Uzbekistan laboratories during the four years
of the seven-year plan (1976-1980). Spl. dolo 13 no.2:9-13 Mr-Apr '64.
(MHA 17:12)

1. Tashkentskiy institut usovrucheniya vrachey i Farmatsevti-
cheskiy fakul'tet i Moskovskoye vostochno-izluzh meditsinskogo instituta
im. I.M. Sechenova.

ABRAM, A., inzh.-tekhnolog.

Production of large pearl barley at factory No.8 in Riga. Mukh.-
elev. prom. 24 no.4:18-19 Ap '58. (MIRA 11:5)

1. Upravleniye khleboproduktov pri Sovete Ministrov Latvyskoy SSR.
(Barley)

ABRAHAM, J.

On the Stability of Solutions of the Transportation Problem in Linear Programming

Abraham, Jaromir. Über die Stabilität von Lösungen im Transportproblem der linearen Programmierung. Czechoslovak Math. J. 8(83) (1958), 131-138. (Russian summary)

?
1-FW

The paper is concerned with the standard Hitchcock Transportation Problem. In describing this results, the abstract algebraic terms used by the author will be replaced by the equivalent graph theoretic ones for the sake of brevity and clarity.

A solution of a transportation problem is called "stable" if it is possible to change all supplies and demands by some positive amount without having to change the set of routes used in a solution. A solution is "simple" if the routes used form a "tree". It is "indecomposable" if this tree is connected. Let $X = (x_{ij})$ be a simple indecomposable solution and let $\rho(X)$ be the smallest of the numbers x_{ij} which is not zero. Let the supplies and demands be changed by amounts $\alpha_1, \dots, \alpha_n$ and $\beta_1, \dots, \beta_m$ respectively. Theorem 1: If $\sum |\alpha_i| + \sum |\beta_j| < \rho(X)$, then there exists a solution of the perturbed problem which uses exactly the same routes as the original solution X . Theorem 2 gives a lower bound for the number $\rho(X)$ for non-degenerate problems, i.e., problems in which all solutions are indecomposable.

D. Gale (Providence, R.I.)

SW
11

ABRAHAM, J.

Approximate method for nonlinear programming. p. 425

CASOPIS PRO PESTOVANI MATEMATIKY. (Ceskoslovenska akademie ved. Matematicky ustav)
Praha, Czechoslovakia

Vol. 83, no. 4, Nov. 1959

Monthly list of East European Accessions (EEAI) LC. VOL. 9, no. 1 January 1960

Uncl.

RICICA, J.; MENDER, J.; ABRAHAM, J.

Apparatus for the slow and continuous addition of clear sterile solutions. Folia microbiol 6 no.2:138-140 '61. (EEAI 1965)

1. Department of Microbiology and the Workshop, Institute of Biology, Czechoslovak Academy of Sciences, Prague 6.
(CZECHOSLOVAKIA---MICROBIOLOGY)

ABRAHAM, J.; FALTIN, J.; NOVAKOVA, V.

Automatic apparatus for the study of higher ~~central~~ nervous activity
in rats. Cesk. fysiол. 10 no.5:464-465 '61.

1. THS Biologických ustavu CSAV, Fysiologický ustav CSAV, Praha.
(PHYSIOLOGY equip & supply)
(CENTRAL NERVOUS SYSTEM physiол)

ABRAHAM, J.; HUDLICKA, O.

Registration device for registering a drop-count. Cesk. fysiол.
12 no.6:463-464 N°63.

1. Fysiologicky ustav, CSAV a TIS BU CSAV, Praha.

*

ABRAHAM, Kalman, dr., okleveles gepesz- es gazdasagi mernok, fomernok

Designing automotive transportation establishments. Kozl
tud sz 13 no.9:403-407 S '63.

1. Ut-, Vasutervezo Vallalat.

~~SECRET~~
RADO, Janos, Dr.; ABRAHAM, Karola, Dr.; ESZEKI, Jozsef, Dr.

Simultaneous occurrence of congenital septal defect and cardiac infarct in old age. Orv. hetil. 98 no.39:1079-1081 29 Sept 57.

1. A Janos Korhaz-Rendselintezet (igazgato: Bakacs Tibor dr.) II. sz. Belosztalyanak (foorvos: Bencsath Aladar dr.) es Prosecturajanak (foorvos: Kalló Antal dr., az orvostudományok doktora) közleménye.

(CARDIAC SEPTUM, abnorm.

interventric. septal defect with myocardial infarct in aged, case report (Hun))

(MYOCARDIAL INFARCT, case reports

with interventric. septal defect in aged (Hun))

KRASZNAI, Ivan, dr.; PORKOLAB, Erzsébet, dr.; ABRAHAM, Karola, dr.

A case of secondary hyperglobulinemic purpura (Waldenstroem's)
followed by lymphosarcoma. Orv. hetil. 102 no.28:1314-1315 9 J1 '61.

1. Budapest Fovaros XIII ker. Tanacs, Robert Karoly keruti Korhaz, I
belosztaly es prosectura.

(PURPURA case reports) (SERUM GLOBULIN)
(LYMPHOSARCOMA case reports)

ABRAHAM, Kristoff, dr.

Dermatomyositis. Orv. hetil. 97 no.27:740-743 1 July 56

1. A Balassagyarmati Városi Tanács Kórháza (igazgató Dobos Imre dr.) Noi Idegosztiának (forrás: Santha Kalman dr. egyet. tanár) közleménye.

(DERMATOMYOSITIS, etiol. & pathogen.
(Hun))

HUNGARY/Soil Science - Genesis and Geography of Soils.

J-1

Abs Jour : Ref Zhur - Biol., No 9, 1956, 38986

Author : Abraham, L.

Inst : -

Title : The Influence of Ponds for Fish Culture and Reservoirs on Salted Soils in the Region of Hortobagy.

Orig Pub : Agrokh. es talay., 1957, 6, No 1, 29-42.

Abstract : The inundation of slated soils by fresh water of ponds in the Okhat and Borshosh Rayons continued over a period of many years, caused the distillation of these soils. At the same time the content of active forms of compounds of K in the soils increased appreciably. The author connects this phenomenon with the change in the mineralogical composition of soils. In sectors adjoining the ponds a secondary salting was observed. Analyses of soils, water and pond silt composition are given in the study.

Card 1/1

- 3 -

HUNGARY / Soil Science. Soil Genesis and Geography.

J

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6048.

Author : Szabolc, Istvan.; Abraham, Lajos.

Inst : Not given.

Title : Saline Soils of the Lake Fertő Shore Zone.

Orig Pub: Agrokom. os talaj., 1957, 6, No 2, 99-108.

Abstract: No abstract.

Card 1/1

15

ABRAHAM, Lajos

Imre Prettenhoffer at 60. Agrokem talaftan 9 no.4:433-434
'60.

ABRAHAM, L.

What kind of dwellings should we construct? p. 189.

EPITESUGYI SZEMLE. Budapest, Hungary, No. 6, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

SZABOLCS, I.; ABRAHAM, L.

Improving alkali soils with small doses of reclamation materials.
Agrokem talajtan 13 Suppl.:247-253 My '64.

1. Research Institute of Soil Science and Agricultural
Chemistry of the Hungarian Academy of Sciences, Budapest,
and Institute of Agricultural Experiments in the Southern
Part of the Great Hungarian Plain, Szeged.

EXCERPTA MEDICA Sec 8 Vol 12/5 Neurology May 59

2391. ISOLATION OF COXSACKIE VIRUS IN POLIOMYELITIS CASES - Cocksackie virus izolálása poliomyelitis betegekben - Ábrahám S. and Lőrincz P. Marosvásárhelyi Víruskutató Lab. és Fertőzőbetegségek Klin., Közl. - ORV. SZLE 1958, 4/3-4 (214-219) Tables 2

Coxsackie type A virus was isolated from faeces and CSF of 28 clinical cases diagnosed as poliomyelitis. The relationship between the virus and the disease was confirmed by positive neutralization reactions with the patient's serum. Cross neutralization tests gave negative results. (1, 4, 8)

ABRAHAM, S., Dr.; HORVATH, P., Dr.; KISS, E. Dr.; VENDEG, V., Dr.

Human diseases caused by ecthyma contagiosum ovium. Borgegy. vener.
szemle 12 no.1-2:24-30 Feb-Apr 58.

1. Marosvasarhelyi Orvostudományi és Gyógyszertészeti Felsőoktatói
Intézet Viruskutató Laboratóriumának (Vezető: Dr. Vendeg Vince egyetemi
tanár) közleménye.

(VIRUS DISEASES, case reports
ecthyma contagiosum in man (Hun))

VASASS, Jeno, Dr.; ABRAHAM, Sandor, Dr.; INCZE, Gabor, Dr.

Data on the etiology and therapy of lichen ruber planus. Byorgyogy.
vener. szemle 12 no.6:231-235 Dec 58.

1. A Marosvasarhelyi Orvostudományi és Gyógyszertészeti Intézet Borklin-
ikájának (Vezető: Ujváry Imre dr. egyetemi tanár) és a Víruskutató
Laboratóriumának (Vezető: Vendég Vince dr. egyetemi tanár) közleménye.

(LICHEN PLANUS

possible viral etiol. & tetracycline ther. (Hun))

(VIRUS DISEASES

possible viral etiol. of lichen planus (Hun))

(TETRACYCLINE, ther. use

lichen planus (Hun))

EXCERITA MEDICA Sec 13/Vol 13/1 Dermatology Jan 59

72. DISEASES IN HUMAN BEINGS CAUSED BY ECTHYMA CONTAGIOSUM
OVIVM - Az ekthyma contagiosum ovium által okozott emberi megbetegedések
- Abraham S., Horváth P., Kiss E. and Vendég V. Maros-
vásárhelyi Orvostudományi és Gyógyászati Felsőoktatási Intézet
Viruskutató Lab., Marosvásárhely - BŐRGYÖGY VENER.SZLE
1958, 24/1-2 (24-30) illus. 10

L 00104-66 BXT/T/EED-2/EWP(1) IJP(c) BB/GC

ACCESSION NR: AP5020384

CZ/0088/65/000/004/0348/0364

AUTHOR: Kiefer, F.⁴⁴ Abraham, S.⁴⁴

TITLE: A full-fledged model of machine translation ^{164, 44}

SOURCE: Kybernetika, no. 4, 1965, 348-364

TOPIC TAGS: machine translation, data processing

ABSTRACT: A machine translation model is proposed which takes account of semantic aspects in analysis of the source language and synthesis of the target language. The model is based on a theory for the formal treatment of semantic features recently proposed by the authors. The translation is done in four steps. The input sentence is grammatically analyzed at the first level of step one. The output from the first level gives the underlying kernel sentences and their P-markers, as well as the ordered set of transformational rules applied, if any. The second level is a semantic recognition system which must establish whether the input sentence is semantically correct or anomalous, rule out meanings of words which do not occur in the semantically correct readings of the input sentence, and provide a semantic marker for every reading to check on whether the translation of the sentence has the same semantic reading as the input sentence. The input to the transfer (step two)

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39
B

L 00104-66

ACCESSION NR: AP5020384

2

consists of an input dictionary for the first level of step one, readings of words generated by the second level of step one, and IC-rules governing the generation of underlying kernel sentences and the set of transformational rules applied to obtain the input sentences. The output from the transfer is the set of kernel sentences which (after application of the transformational rules) will give the set defined as the translation of the input sentence. Step three expands this set of kernel sentences to generate all meaningful kernel sentences and to provide readings of the set defined as the translation by constructing their semantic markers. In step four, the semantic markers of the input sentences are compared with those of the set defined as the translation, and sentences are selected in which the two sets of semantic markers correspond. A specific example is given. This paper gives only the rough outlines of the system, and the details will be elaborated in further papers. Orig. art. has: 2 figures.

ASSOCIATION: Computing Center of the Hungarian Academy of Sciences, Budapest

SUBMITTED: 12Jan65

ENCL: 00

SUB CODE: DP

NO REF SOV: 000

OTHER: 005

Card 2/2
SW

ABRAHAM, V.

TECHNOLOGY

Periodicals: INDUSTRIA LENTULUI. Vol. 7, no. 10, Oct. 1958

ABRAHAM, V. Aspects of the activities within the Enterprise for Finished Wood Products, relative of the planning and designing of furniture. p. 385

Monthly List of East European Accessions (EMAI) LC, Vol. 8, No.2,
February 1959, Unclass.

LASLO, Ya. [Laszlo, I.]; PETER, M.; FILEP, D. [Filip, D.]; ABRAKHAM, Sh.
[Abraham, A.]; BALINT, Ye. [Balint, E.]; DOMOKOSH, L. [Domocos, L.];
KASA, L. [Gasa, L.]; DERDI, P.; BEDE, Sh. [Bede, S.]

Experimental studies on epidemic hepatitis. Vop. virus. 8 no.2:
221-224 Mr-Apr'63 (MIRA 16:12)

1. Kafedra mikrobiologii i inframikrobiologii Mediko-farmatsevticheskogo instituta Tyrgu-Muresh, Rumyniya.

ABRAHAMER, W.

ABRAHAMER, W. Soiling of insulators of electric lines. p. 135. Vol. 15, no. 6
June 1955. WIADOMOSCI ELECTROTECHNICZNE. Warszawa, Poland.

SOURCE: EAST European Accessions List (EEAL) LC Vol. 5, No. 6, June. 1956

ABRAMOVA-RUTNEVA, L.

I remember with pleasure Soviet women-rotorists. p. 709. (SVET MOTORU, Vol. 10, No. 23, Nov 1956, Praha, Czechoslovakia)

SD: Monthly List of East European Accessions (MEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

ABRAHAMOVIC, M., MUDr.

Hearing disorders in otosclerosis. Cesk. otolar. 5 no.3:
129-135 May 56.

1. Z ORL kliniky hygienické fakulty KU v Praze XII Prednosta
prof. MUDr. Vl. Hlavacek.
(HEARING TESTS, in various diseases,
otosclerosis (Cz))
(OTOSCLEROSIS, physiology,
hearing tests (Cz))

ABRAHAMOVIC, M., MUDr.; SEDLACEK, J., MUDr.

Case of cured thrombosis of the cavernous sinus with
simultaneous septic meningitis. Cesk. otolar. 5 no.5:
281-284 Oct 56.

1. Z ORL kliniky lek. fak. hygienicke v Praze 12, prednosta
prof. Dr. Vlad. Hlavacek Z ocní kliniky lek. fak. hygienicke
v Praze 12, prednosta prof. Dr. J. Janku.

(SINUS THROMBOSIS, complications,

cavernous sinus thrombosis with meningitis, cure (Cz))

(MENINGITIS, complications,

cavernous sinus thrombosis, cure (Cz))

ABRAHAMOVIC, M.

Experiences in the use of an acoustic probe. Cesk. otolar. 7 no.4:
192-199 Aug 58.

1..ORL klinika lek. fak. hygienicke v Praze 12, prednosta prof. Dr.
Vl. Hlavacek. M. A., ORL klin., Praha 12, Srobarova 48.

(OTOSCLEROSIS, surg.

acoustic probe in preop. & postop. exam. (Cz))

(OTITIS MEDIA, surg.

same)

ABRAHAMOVIC, M.; BIAHA, R.; NAUS, A.; PIHRT, J.; STYBLOVA, V.; VEIS, J.

Studies on the state of health in a group of tractor operators. Pracovní
lek. 11 no.6:293-298 Aug 59.

1. Lékařská fakulta hygienická.
(OCCUPATIONS AND PROFESSIONS)

CHLADEK, V.; ABRAHAMOVIC, M.

A modified form of Zeiss microscope for aural microsurgery.
Cesk. otolar. 9 no.1:60-62 F '60.

1. ORL klinika LFH KU v Praze XII, prednosta prof. dr. V. Hlavacek.
(EAR surg.)
(MICROSCOPY)

ABRAHAMOVIC, M.

Role of Weber's calibration test in fenestration. Cesk.otolar.
9 no.2:84-89 '60.

1. ORL klinika lek.fek.hygienicke v Praze 12, prednosta prof.
dr. Vl. Hlavacek,
(FENESTRATION)

ABRAHAMOVIC, M.

Effectiveness of sound-proof devices produced in Czechoslovakia.
Pracovní lek. 12 no.6:294-297 JI '60.

1. Klinika nemoci usních, nosních a krcních lek. fak. hygienické
v Praze 12, přednosta prof. dr. Vlad. Hlavacek.
(NOISE)

CHLADEK, Vladimir; ABRAHAMOVIC, Mikulas

Contribution to clinical aspects of mixed tumors and cylindromas
in otolaryngology. Cas.lek.cesk. 99 no.18:546-550 29 Ap '60.

1. Otolaryngologicka klinika hygienicke fakulty KU v Praze 12,
prednosta prof. dr. Vladimir Hlavacek.

(CYLINDROMA case reports)

(MIXED SALIVARY GLAND TUMOR case reports)

(PAROTID GLAND physiol.)

ABRAHAMOVIC, M.; CHODOUNSKY, Z.

Clinical and therapeutic contribution to salivary gland tumors. Cesk. gastroent. 16 no.2:154-158 Mr '62.

1. ORL - klinika lek. fak. hygienicke KU v Praze 10, prednosta prof. dr. Vladimir Hlavacek Onkologické oddelení fak. nemocnice v Praze 10, vedoucí MUDr. Ladislav Lintner.

(SALIVARY GLAND NEOPLASMS)

ALBERAMOVIC, M.

Postoperative course in stapes surgery in otosclerosis. Czech.
otolaryng. 12 ro. 6:1347-1950 D*63.

1. Otolaryngologická klinika lékařské fakulty hygienické KU
v Praze; přednášel: prof. dr. V. Hlavacek, DrSc.

*

AND HARMONICZ, M.

Aspects of auditory adaptation and fatigue in different types
of conductive deafness. Cesk. otolaryng. 13 11. 513-521 1964

1. Otolaryngologická klinika lékařské fakulty hygienické Karlovy
University v Praze (prezident prof. dr. V. Slavánek, Praha.).

SOBESLAVSKY, O.; SYRUCH, I.; BRUCKOVA, M.; HERDEGEN, L.; STICHEN-MERTHOVA, E.;
ZAPLETAL, A.; SAMANOVÁ, L.; DANESOVÁ, J.; ABRAMOVIC, M.; KOTJEL,
D.; PIRETA, Z.

A contribution on the ecology of Mycoplasma pneumoniae infections.
J. hyg. epidem. (Praha) 9 no.1:86-94 '65

1. Institute of Epidemiology and Microbiology, Prague, 2nd and
4th Pediatric Clinics of the Medical Faculty, Chair of Preventive
Pediatrics of the Medical Faculty, Paediatric, Otorhinolaryngologic-
al and Medical Clinics of the Medical Hygiene faculty, Charles
University, Prague.

SOV / 137-58-7-14033

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p7 (USSR)

AUTHORS: Abramov, N., Radayev, V., Abraimov, D.

TITLE: Complex Utilization of the Ores of the Aktyuz Deposit (Kompleksnoye ispol'zovaniye rud Aktyuzskogo mestorozhdeniya)

PERIODICAL: Prom. Kirgizii, 1957, Nr 2-3, pp 11-15

ABSTRACT: A brief description is provided of the work of scientific research institutions toward complex utilization of the ores of this deposit. The 1948-1955 ore-dressing flowsheet, flowsheets for flotation-and-gravitational production of Sn concentrate, Mo middlings, and a concentrate containing "R" are presented.

A. Sh.

1. Ores--Processing 2. Scientific research--Applications

Card 1/1

USSR/Pharmacology. Toxicology. Chemotherapeutic Drugs. B) Sulfon- V
amides.

Abs Jour : Ref Zhur - Biol., No II, 1958, No 52123

Author : Abraitiene L.

Inst : -

Title : Treatment of Trachoma with Intravenous and Subcutaneous In-
jections of a 0.5 percent Solution of Sodium Sulfidine.

Orig Pub : Sveikatos apsauga, 1957, No 3, 37-40

Abstract : One hundred sixty patients with trachoma were treated with
intravenous and subcutaneous injections of a 0.5 percent
solution of sodium sulfidine. The duration of treatment
was 1 1/2-2 months. The majority of the patients recovered;
in 6, the course of therapy had to be repeated.

Card : 1/1

ABRAITIS, Blazejus, prof., doktor med. nauk; RIMKUNAS, A., red.;
GOTLERIS, D., tekhn. red.

[Human embryology] Zmogaus embriologija. Vilnius, Valstybine
politines ir mokslines literaturos leidykla, 1962. 234 p.
(MIRA 16:5)

(EMBRYOLOGY, HUMAN)

SABOL'CH, I.; ABRAXHAM, L.

Using small amounts of soil conditioners on Solonetz and Solonetz-type soils of the Great Hungarian Plain. Pochvovedenie no.3:56-62
Mr. '59. (MIRA 12:11)

1. Nauchno-issledovatel'skiy institut pochvovedeniya i agrokhimii
AN Vengrii, Budapesht.
(Hungary--Solonetz soils) (Soil conditioners)

AUTHOR: Abrahams, S.

74-27-1-4

TITLE: Stereochemistry of the Elements of the Subgroup of Oxygen
(Stereokhimiya elementov podgruppy kisloroda)

PERIODICAL: Uspekhi Khimii, 1958, Vol. 27, Nr 1, pp. 107 - 131 (USSR)

ABSTRACT: As known the elements of the subgroup mentioned above form chemical compounds with one (to 6) other atoms. The knowledge concerning the nature of the different types of chemical compounds has increased during the last 10 years. This paper is an experiment to give a summary review of the most important information concerning the geometrical and electron configuration of the atoms of the subgroup mentioned above. The development of the compounds with bivalent oxygen is described by the example of the water-molecule. If in the formation of this molecule only γ -orbits of the oxygen atom were used, the H-O-H angle would be 90° . By experiment, however, it was ascertained that it is 104.5° . Thus in the development of the compounds also the S-orbits are of a certain importance. With the exception of ozone, the angles are 109.5° .

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Stereochemistry of the Elements of the Subgroup of Oxygen

74-27-1-4/4

(and a little smaller, if the oxygen atom is not combined with one or two aromatic groups). (See Table 1). There are only few data on oxygen containing compounds of a valence of more than 2. There are no definite data on compounds either, in which oxygen has 4 covalent compounds at the same time. Furthermore, the structure of the hydrogen peroxide is discussed. As to the crystallographic investigation of the addition compound product hydrogen peroxide-urea: see the graph and computations. The radiographic investigation of the solid hydrogen peroxide (at -20°) gave the value $\varphi = 94^{\circ} \pm 1,5^{\circ}$. According to spectroscopic investigations Giguère declared the angle for hydrogen peroxide as $80^{\circ} \pm 10^{\circ}$. Then the author discusses the compound oxygen-oxygen (see table 2 and figure 2). The compound carbon-oxygen is discussed in detail, too. The results of the latest investigations agree with the values $1,43 \text{ \AA}$ obtained for the mono- and $1,17 \text{ \AA}$ for the binary compound (see table 3). The valence angle, formed by sulfur, is shown in table 4. There are no reliable data yet concerning the ramified metasulfide chains. Whereas there are very good data concerning rings, spirals and other nonramified formulae. On the lengths of the compounds sulfur-sulfur and the angles between 2 surfaces in

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Stereochemistry of the Elements of the Subgroup of Oxygen

74-27-1-4/4

sulfur compounds see tables 5 and 6. It can be seen from them that crystallizing compounds in cis-form have clear angles between surfaces of more than 90° , and compounds in trans-form of less than 90° . On the lengths of the compounds carbon-sulfur and those of nitrogen-sulfur in heterocyclic molecules see tables 7 A and B, 8. Furthermore, the author deals with the stereochemistry of selenium, the compounds selenium-selenium and the results of the investigations carried out last. There are 20 tables and 243 references, 4 of which are Soviet.

1. Oxygen--Analysis
2. Stereochemistry--Applications

Card 3/3

ACCESSION NR: AR4042233

S/0124/64/000/006/V054/V054

SOURCE: Ref. zh. Mekhanika, Abs. 6V436

AUTHOR: Abrahamsen, Ye.

TITLE: Influence of initial sheathing on strength under a compressing load

CITED SOURCE: Sh. Materialy* 1-go Mezhdunar. kongressa po konstruktii
prochn. sudov, 1961. L., Morsk. transport, 1963, 509-525

TOPIC TAGS: flat plate, terminal deflection, initial deflection, initial
sheathing

TRANSLATION: Discussed influence of initial deflection on strength of flat,
rectangular panels. Derives the Föppl-Marguerre equations (K. Marguerre,
Luftfahrtforschung, 1937, 14) of terminal deflection of flat plates with initial
deflection, and analyzes a number of solutions, based on this system of two
equations. Gives a graph of dependence of initial deflection of a welded and

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ACCESSION NR: AR4042233

and riveted panel on thickness of the plate. Expounds problem of wrinkling of bottoms of ships with transverse system of set and possible calculation problems, appearing in connection with this. Analyses certain data of experiments. Considers carrying ability of plate and gives the width of the plate under uniform compression. Bibliography: 95 references.

SUB CODE: AS

ENCL: 00

Card 2/2

MAROSH, Tibor [Maros, T.]; KELEMEN, Iozhef [Kelemen, J.]; NAD', Bela [Nagy, B.];
ABRAHAM SHANDOR (Tyrgu-Muresh)

Effect of transplanting separate pieces of the liver into the abdominal cavity and central nervous system (data on the mechanism of formation of symptoms in the nervous system in hepatic insufficiency). Arkh. pat. 21 no. 10:39-45 '59.
(MIRA 14:8)

1. Iz kafedry topograficheskoy anatomii i operativnoy khirurgii (zav. - prof. Marosh Tibor) i kafedry biokhimii (zav. - prof. Kovach Endre) Mediko-farmatsevticheskogo instituta g. Tyrgu-Muresh, Rumynskaya Narodnaya Respublika.
(LIVER--TRANSPLANTATION) (BRAIN) (ABDOMEN)

AbraKhanova B.N.
NAZIROV, M.P.; ABRAKHANOVA, B.N.

Hyaluronidase in patients suffering from brucellosis; author's abstract.
Zhur.mikrobiol.epid. i immun. 29 no.2:106-107 F '58.

(MIRA 11:4)

1. Iz kafedry malyarii i meditsinskoy parazitologii Azerbaydzhanskogo
instituta usovershenstvovaniya vrachey.

(HYALURONIDASE,

metab. in brucellosis (Rus)

(BRUCELOSIS, metabolism,

hyaluronidase (Rus)

ABRAKHANOVA, B.N., doktor

Recurrences of the suppurative process in the scarred area of
a bone defect following penetrating gunshot wounds of the cranium.
Azerb. med. zhur. no.2:81-83 P '59. (MIRA 12:3)

1. Iz I fakul'tetskoy kliniki (sav, klinikoy - akademik AN Azer SSR
prof. M.A. Tonchibashev) Azerbaydzhanskogo gosudarstvennogo meditsi-
niskogo instituta im. N. Narimanova.
(SKULL WOUNDS AND INJURIES)

ABRAKHANOVA, B.N.

Significance of the determination of pyruvic acid in the blood in
brucellosis. Azerb.med.shur. no.12:41-44 D '59. (MIRA 13:4)

1. Iz kafedry malyarii i meditsinskoy parazitologii (nauchnyy rukovoditel' - prof. M.R. Nasirov) Azerbaydzhanskogo instituta usovershenstvovaniya vrachev.
(PYRUVIC ACID) (BRUCELLOSIS)

ABRAKHANOVA, B.N.

Case of a solitary cysticercus of the musculus rectus abdominis.
Azerb.med.shur. no.3:69-70 Nr '60. (MIRA 13:6)
(CYSTICERCOSIS) (MUSCULUS RECTUS ABDOMINIS--DISEASES)

TOPCHIBASHEV, M.A.; ABRAKIANOVA, B.N.

Effect of hypothermia on the course of peritonitis. Trudy Sekt.
fiziol. AN Azerb. SSR 4:23-27 '60.
(HYPOTHERMIA) (PERITONITIS) (MIRA 15:1)

TOPCHIBASHEV, M.A., prof., zasluzhennyy deyatel' nauki; ABRAKHANOVA, B.N.,
doktor

Influence of medicinal inhibition on the course of an acute infectious
process. Azerb. med. zhur. no.9:12-15 S '60. (MIRA 13:9)

1. Iz 1-y fakul'tetskoy khirurgicheskoy kliniki Azerbaydzhanskogo
meditsinskogo instituta im. N.Narimanova (zav. - deystv. chlen AMN
SSSR, akad. AN AzerbSSR, zasluzh. deyatel' nauki, prof. M.A. Topchibashev).
(SLEEP—THERAPEUTIC USE) (ANOBARBITAL)
(INFECTION)

ABRAKHANOVA, B.N., mladshiy nauchnyy sotrudnik

Early diagnosis of intestinal damage in closed abdominal injury.
Azerb. med. zhur. no. 5:81-85 My '61. (MIRA 14:4)

1. Iz sektora fiziologii AN Azerbaydzhanskoy SSR.
(ABDOMEN—WOUNDS AND INJURIES) (INTESTINES)

ABRAKHANOVA, B.M.

Effect of hypnotic inhibition and neurovegetative block on
body temperature and leucocytosis following the infection
of the abdominal cavity. Izv. AN Azerb. SSR Ser. biol. i med.
nauk no.8:125-130'61. (PERITONITIS) (NERVOUS SYSTEM) (MIRA 16:8)

ABRAKHANOVA, B.N.

Effect of total cooling of the abdominal wall on the course of
experimental peritonitis. Dokl. AN Azerb. SSR 17 no.10:963-
965 '61. (MIRA 14:12)

1. Sektor fiziologii AN AzSSR. Predstavleno akademikom AN
AzSSR M.A. Topchibaevym.
(PERITONITIS)
(COLD-THERAPEUTIC USE)

ABRAKHANOVA, B.N.

Local hypothermia in the inflammation process in the abdominal
cavity. Azerb. med. zhur. no.6:20-22 Je '62.

(MIRA 17:8)

H. THOMAS, JR.; BERNARD W., JR.

Role of the lysozyme and lysozyme-like enzymes system in the pathogenesis of peritonitis. *Izv. Akad. med. nauk, no. 12, 19-24, 1982.* (Sov. 17:4)

ABRAKHANOVA, B.N.

Local cooling as a nonspecific stimulant of defense reactions during
peritonitis. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.1:101-107
'63. (MIRA 17:5)

NAZIROV, M.R., prof.; ABRAXHANOVA, B.N.

Possible relation of the dynamics of Wright's reaction to blood proteins. Azerb. med. zhur. 40 no.8:9-15 Ag '63.

(MIRA 17:12)

NAZIROV, M.R.; ABRAKHANOVA, B.N.

Possibility of the dependence of Wright's reaction on the blood
serum proteins. Zhur. mikrobiol., epid. i immun. 41 no.10:
80-84 '64.

(MIRA 18:5)

1. Azerbaydzhanskiy gosudarstvennyy institut usovershenstvovaniya
vrachey.

USSR/Microbiology - Microbes Pathogenic for Man and Animals.
Drucellae

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99452
Author : Nazirov, M.R., Abrakhanova, E.N.
Inst : -
Title : Hyaluronidase Content in Patients with Drucellosis.
Orig Pub : Zh. mikrobiol., epidemiol. i immunobiol., 1958, No 2,
106-107
Abstract : No abstract.

Card 1/1

ABRAKHANOVA, Kh. N. Cand Med Sci -- (diss) "X-Ray Kymographic
Study of the Functional ^{Condition} ~~Composition~~ of the Heart in Infants ^{upon} ~~During~~
~~With the First~~ the First Attack of Rheumatism." Baku, 1957.
16 pp 21 cm. (Inst of Pediatrics Academy of Medical Sciences USSR),
200 copies (KL, 26-57, 112)

- 108 -

~~ABRAKHANOVA, K. K.~~

Roentgenokymographic method of determining the functional status
of the heart in children during the first attack of rheumatism.
Dokl. AN Azerb. SSR 13 no.4:415-418 '57. . (MLRA 10:7)

1. Predstavleno akademikom Akademii nauk Azerbaydzhanskoy SSR
M.A. Topchibashevym.
(HEART-RADIOGRAPHY) (RHEUMATISM) (CHILDREN--DISEASES)

ABRAKHANOVA, Kp.N., kand. med. nauk

Dynamics of changes in the X-ray picture of bones of
children in Cooley's congenital familial hemolytic anemia.
Vest. rent. i rad. 38 no.6:18-23 M.D. '63.

(MIRA 17:6)

1. Iz Azerbaydzhanskogo nauchno-issledovatel'skogo instituta
okhrany materinstva i detstva imeni N.K. Krupskoy (direktor -
kand. med. nauk K.Ye. Faradzheva; nauchnyy rukovoditel' -
kand. med. nauk S.I. Gadzhayeva).

ABRAKHANOVA-AKHMEDBEYLI, B.N.

Materials on the pathogenesis of the permeability of capillaries
in brucellosis and their clinical importance. Azerb. med. zhur.
41 no. 11:16-23 N '64.
(MIRA 18:12)

1. Submitted Oct. 18, 1963.

YERSHOV, I.I., kand. biol. nauk; ABRAKHINA, Yu.V.

Effect of growing conditions on the morphological and biological characteristics of garlic. Agrobiologiya no.1:86-93 Ja-F '65.
(MIRA 18:4)

1. Gribovskaya oboshchnaya selektsionnaya opytnaya stantsiya.

KEDROV, Aleksey Alekseyevich; NAUMENKO, Andrey Ivanovich; KUPALOV, P.S., professor, zasluzhennyi deyatel' nauki, redaktor; ABRAMOV, L.V., redaktor; RUBLEVA, M.S., tekhnicheskii redaktor

[Clinical illumination of problems in the physiology of intracranial blood circulation; experimental research] Voprosy fiziologii vnutricherepnogo krovoobrashcheniia s klinicheskimi ikh osveshcheniem; eksperimental'noe issledovanie. Pod. red. P.S. Kupalova. [Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe otd-nie, 1954. 133 p. (MLRA 7:9)

1. Deystvuyushchii chlen Akademii meditsinskikh nauk SSSR (for Kupalov)
(Head--Blood supply)

PETROV, Nikolay Nikolayevich, professor, akademik, zasluzhennyy deyatel' nauki;
ABRAKOV, L.V., redaktor; RULEVA, M.S., tekhnicheskiiy redaktor.

[Problems in surgical deontology] Voprosy khirurgicheskoi deontologii.
Izd. 5-oe, perer. Leningrad. Gos.izd-vo med.lit-ry, Leningradskoe
otd-nie, 1956. 62 p.
(MIRA 9:6)

1. Chlen-korrespondent AN SSSR, deystvitel'nyy chlen AMN SSSR. (for
Petrov).

(MEDICAL ETHICS)

ABRAKOV, L.V.

KUSLIK, Mikhail Isaakovich, zasluzhennyy deyatel' nauki, prof.;
ABRAKOV, L.V., red.; KHARASH, G.A., tekhn.red.

[Orthopedic treatment of spastic paralysis] Ortopedicheskoe
lechenie spasticheskikh paralichei. [Leningrad] Gos.izd-vo med.
lit-ry, Leningr. otd-nie, 1957. 113 p. (MIRA 10:12)
(Paralysis, Spastic)

KHROMOV, Boris Mikhaylovich; ABRAKOV, L.V., red.

[Acute suppurative surgical diseases] Ostrye gnoinye
khirurgicheskie zabolevaniia. Izd.2., dop. i perer.
Leningrad, Meditsina, 1965. 318 p. (MIRA 18:2)

VESELKIN, P.N. professor; ABRAMOV, L.V., redaktor; KHARASH, G.A., tekhnicheskii redaktor.

[Physiological mechanisms of fever reaction; collection of works of the Department of General Pathology of the Academy of Medical Sciences and the Department of General Pathology of the Leningrad Kirov State Institute of Advance Training for Physicians] Fiziologicheskie mekhanizmy lihoradochnoi reaktsii; sbornik rabot Otdela obshchei patologii IKM AMN SSSR i Kafedry obshchei patologii Leningradskogo GIDUV im. S.M. Kirova. Pod red. P.N. Veselkina. [Leningrad] Gos. izd-vo med. lit-ry. Leningradskoe otd-nie, 1957. 353 p. (MIRA 16:4)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut eksperimental'noy meditsiny. Otdel obshchei patologii. 2. Chlen-korrespondent Akademii Meditsinskikh Nauk SSSR (for Veselkin). (FEVER)

VIIENSKIY, Boris Sergeyevich, kand.med.nauk; ABRAKOV, L.V., red.;
GULYAYEVA, T.S., tekhn.red.

[Radiculitis; treatment and prevention] Radikulit. Lechenie
i preduprezhdenie; populiarnyi ocherk. Leningrad, Gos.izd-vo
med.lit-ry, Leningr.otd-nie, 1958. 31 p. (MIRA 13:7)
(NERVES, SPINAL--DISEASES)

ABRAKOV, L.V., kand.med.nauk

Some peculiarities in the anatomy of the radices and blood vessels of the cervical portion of the spinal cord and their role in practical neurosurgery. Sbor. nauch. trud. GIDUV no. 14:4-14 '58.
(MIRA 13:10)

1. Iz kafedry operativnoy khirurgii (zav. kafedroy prof. A.P. Nadein) i kafedry neyrokhirurgii gosudarstvennogo instituta dlya usovershenstvovaniya vrachey.
(NERVES, SPINAL--SURGERY) (SPINAL CORD--BLOOD SUPPLY)

FEDOROV, Vladimir Konstantinovich; ABRAMOV, L.V., red.; LIVSHITS, D.A.,
tekhn.red.

[Neuroses, psychopathies, and reactive psychoses] Nevrozy,
psikhopatii i reaktivnye psikhozy. Leningrad, Gos.izd-vo med.
lit-ry. Leningr.otd-nie, 1959. 73 p. (MIRA 13:11)
(MENTAL ILLNESS)

DAVIDENKOVA-KUL'KOVA, Yevgeniya Fedorovna; ABRAKOV, L.V., red.; KHARASH,
G.A., tekhn.red.

[Diencephalic epilepsy; seizures in diseases of the hypothalamic
region in clinical practice and under experimental conditions]
Dientsfal'naya epilepsia; pripadki pri porazhenii podbugrovoi
oblasti v klinike i eksperimente. Leningrad, Gos.izd-vo med.
lit-ry. Leningr.otd-nie, 1959. 291 p. (MIRA 13:5)
(EPILEPSY)

UGRYUMOV, Veniamin Mikhaylovich; VASKIN, I.S.; ABRAMOV, L.V.

[Operative neurosurgery; manual for physicians] Operativnaia
neirokhirurgiya; posobie dlia vrachei. Leningrad, Medgiz, 1959.
314 p. (MIRA 13:7)

(NERVOUS SYSTEM--SURGERY)

BEKHTEREVA, Natal'ya Petrovna; ABRAMOV, L.V., red.; RULEVA, M.S., tekhn.
red.

[Biopotentials of the cerebrum in supratentorial tumors] Biopoten
tsialy bol'shikh polusharii golovnoy mozga pri supratentorial'nykh
opukholiakh. Leningrad, Gos. izd-vo med. lit-ry Medgiz, 1960. 186 p.
(BRAIN--TUMORS) (ELECTROENCEPHALOGRAPHY) (MIRA 14:7)

POPOV, Nikolay Aleksandrovich; ABRAKOV, L.V., red.; RUJEVA, M.S.,
tekhn. red.; CHUNAYEVA, Z.V., tekhn. red.

[Intracranial tumors; difficulties and mistakes ~~in~~ diagnosis
(clinical essays)] Vnutricherepnye opukholi; trudnosti i oshib-
ki diagnostiki (klinicheskoe ocherki). Leningrad, Medgiz, 1961.
202 p. (MIRA 15:7)

(BRAIN---TUMORS)

KURENGALEYEV, Salikh Mukhutdinovich, prof.; ABRKOV, L.V., red.;
KHARASH, G.A., tekhn. red.

[Radical surgical treatment of trigeminal neuralgia]Radikal'-
noe khirurgicheskoe lechenie nevrал'gii troinichnogo nerva. Le-
ningrad, Medgiz, 1961. 255 p. (MIRA 16:2)
(NEURALGIA, TRIGEMINAL)

KCZYREV, Valentin Arkhipovich; ABRAKOV, L.V., red.; LEBEDEVA, Z.V.,
tekhn. red.

[Cranioostenosis; clinical aspects and surgical treatment]Kra-
niostenoz; klinika i khirurgicheskoe lechenie. Leningrad, Med-
giz, 1962. 174 p. (MIRA 16:2)
(SKULL--ABNORMITIES AND DEFORMITIES)

BABCHIN, I.S., prof.; BABANOVA, A.G., doktor med. nauk; BLOKHIN, N.N., prof.; PONDARCHUK, A.V., prof.; GAL'PERIN, M.D., prof.; GOL'DSHTAYN, L.M., prof.[deceased]; DYMARSKIY, L.Yu., kand. med. nauk; KARPOV, N.A., prof.; KOYRO, M.A., nauchn. sotr.; LARIONOV, L.F., prof.; LITVINOVA, Ye.V., kand. med. nauk; MEL'NIKOV, R.A., kand. med. nauk; NECHAYEVA, I.D., doktor med. nauk; PETROV, Nikolay Nikolayevich, prof.; PETROV, Yu.V., kand. med. nauk; RAKOV, A.I., prof.; ROGOVENKO, S.S., kand. med. nauk; SENDUL'SKIY, I.Ya., prof.; SEREBROV, A.I., prof.; SMIRNOVA, I.N., kand. med. nauk; TAL'MAN, I.M., prof.; TOBILEVICH, V.P., prof.; TRUKHALEV, A.I., kand. med. nauk; Kholdin, Semen Abramovich, prof.; CHEKHARINA, Ye.A., kand. med. nauk; CHECHULIN, A.S., kand. med. nauk; SHAAK, V.A., prof.[deceased]; SHANIN, A.P., prof.; SHAPIRO, I.N., prof.[deceased]; SHEMYAKINA, T.V., kand. med. nauk; SHERMAN, S.I., prof.; ABRAMOV, L.V., red.; LEBEDEVA, Z.V., tekhn. red.

[Malignant tumors] Zlokachestvennyye opukholi; klinicheskoe rukovodstvo. Leningrad, Medgiz. Vol.3. Pts.1-2. 1962. (MIRA 16:5)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Blokhin, Petrov, Serebrov). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Kholdin).

(CANCER)

ABRAKOV, L.V., kand. med. nauk (Leningrad); VVEDENSKAYA, I.V. kand. biologicheskikh nauk (Leningrad); DIL'MAN, V.M., kand. med. nauk (Leningrad).

Mechanism of massive changes in bioelectrical activity in metastasizing tumors of the brain. Vop. neirokhir. 26 no.5:35-40 S-0 '62. (MIRA 17:4)

1. Leningradskiy neyrokhirurgicheskiy institut imeni prof. A.L. Polenova i Institut onkologii AMN SSSR.

DOTSENKO, Stepan Nikolayevich; ABRAKOV, L.V., red.; ONOSHKO, N.G.,
tekhn. red.

[Myopathies; clinical aspects and treatment] Miopatii; kli-
nika i lechenie. Leningrad, Medgiz, 1963. 93 p.

(MIRA 16:7)

(MUSCLES--DISEASES)

ABRAKOV, L.V., kand. med. nauk; BLINOV, N.I., prof.; GADZHIYEV, S.A.,
prof.; GODUNOV, S.F., prof.; ZVORYKIN, I.A., prof.; ZEBOL'D,
A.N., prof.; KOROTKEVICH, N.S., dots.; MARLEY, Ye.F.; MASLOV,
S.I., kand. med. nauk; NADEIN, A.P., prof.; POSTNIKOV, B.N.,
prof.; ROZOV, V.I., prof.[deceased]; UGRYUMOV V.M., prof.;
KHROMOV, B.M., prof.; UDERMAN, Nikolay Il'ich, red.; KHARASH,
G.A., tekhn. red.

[Manual on surgical interventions for surgeons of rural sec-
tional and district hospitals] Rukovodstvo po operativnym vme-
shatel'stvam dlia khirurgov sel'skikh uchastkovykh i raionnykh
bol'nits. Izd.2., ispr. i dop. Leningrad, Medgiz, 1963. 390 p.
(MIRA 16:7)

(SURGERY—HANDBOOKS, MANUALS, ETC.)

ANOSOV, Nikolay Nikolayevich; VILENSKIY, Boris Sergeyevich; ABRAMOV,
L.V., red.; KHARASH, G.A., tekhn. red.

[Ischemic insultus; thrombosis of the cerebral vessels]
Ishemicheskii insul't; tromboz sosudov golovnogogo mozga.
Leningrad, Medgiz, 1963. 286 p. (MIRA 16:11)
(CEREBROVASCULAR DISEASE) (THROMBOSIS)

ABRAKOV, L.V.; BARANOVA, A.G.; DYMARSKIY, L.Yu.; DYAD'KOVA, A. M.;
RABKOVA, L.M.; RAKOV, A.I.; SEREBROV, A.I.; SMIRNOVA, I.N.;
KHOLDIN, S.A.; TSEL', Ye.A.; CHEKHARINA, Ye.A.; SHABASHOVA,
N.Ya.; SHANIN, A.P.

Reviews. Vop. onk. 11 no.7.116-126 '65.

(MIRA 18:9)

AI'RENSKIY, A.V.

1 52212-65 ENT(m)/ENT(w)/ENA(d)/T/ENT(+)/ENT(h) TIT(-) in

ACCESSION NR: AP5010127

UR/0167/65/000/001/0077/0084

AUTHORS: Abralov, M. A. Dyatlov, V. I.

TITLE: New method for a study of hot cracks' formation during the crystallization of alloys

SOURCE: AN UzSSR. Izvestiya. Seriya tekhnicheskikh nauk, No. 1, 1965, 77-84

TOPIC: Hot cracks, lead, alloys, etc.

ABSTRACT: Three metals were studied: 99.9% pure tin, and two alloys of tin with lead, as shown in Fig. 1 on the Enclosure. On the right side is 100% Sn, on the left side is 100% Pb. The working method is illustrated in Fig. 2 on the Enclosure. The specimen 1 has the dimensions 130 x 80 x 8 mm. Cooling water is circulated through channels 3, and breaking occurs along the axis x. Heat is brought through 5, a stainless steel rod of 4.5 mm diameter. Item 6 is a heat resistant plate, and the thermocouples are 7. The width of the crystallizing metal under study is represented by dimension a, between 10 and 15 mm. Deformation was measured on a calibrated plate 8. The formation of cracks is described as a function of the temperature and of the speed with which the deforming force is applied. Motion picture frames illustrate the explanations. It is concluded that the number and the

Cord 1/42

L 52222-65

ACCESSION NR: AP5010127

... known, contradictory ...

... Kiyevskiy ordena Lenina politekhnicheskoy ...

SUBMITTED: 15 May 64

ENCL: 02

SUB CODE: 104

NO REF SCV: 014

OTHER: 003

Card 2/1

L 04653-67 EWP(c)/EWP(k)/EWT(d)/EWT(m)/T/EWP(v)/EWP(t)/EWP(1)/ETI IJP(c)

ACC NR: AP6014442

SOURCE CODE: UR/0125/65/000/012/0070/0071

AUTHORS: Shnayder, B. I.; Abzalov, M. A. JD/HM

ORG: none

TITLE: Crystallization of welding vat during welding of thin metal specimens

SOURCE: Avtomaticheskaya svarka, no. 12, 1965, 70-71

TOPIC TAGS: welding, steel, welding technology, welding inspection, seam welding /
1Kh18N10T steel

ABSTRACT: The crystallization process taking place in the welding vat (seam) during welding of thin 1Kh18N10T steel specimens (0.3--1.0 mm) was studied. The process was studied by motion picture techniques. Pictures of the experimental installation and of the welding vat at various stages of crystallization are presented. It was found that crystallization sets in at the lower metal edge, is arrested briefly, and is completed in 0.488 seconds. Orig. art. has: 2 graphs.

SJB CODE: 11/ SUBM DATE: none

13/

14

Card 1/1

UDC: 621.791.856:542.65

I 65082-65 EPA(s)-2/EWT(m)/T/EWP(t)/EWP(b)/EWA(e)
ACCESSION NR: APS021210

621.791.0:621.746.75

AUTHOR: Dyatlov, V. I. (Doctor of technical sciences); Abramov, M. A. (Engineer)

TITLE: Investigating the formation of cracks in welds during welding and

SOURCE: Avtomaticheskaya svarka, no. 8, 1968, 11-24

TOPIC TAGS: polygonization crack, crack formation, hot crack, welding crack, weld joint, dilatational strain, solidus, intercrystalline cracks, crystallite, dislocation boundary, near eutectic metal

ABSTRACT: There is no common consensus on the causes of the formation of hot cracks during welding. Thus while some investigators attribute these cracks to the existence of a residual liquid phase in the interstices in between the crystals of the already solidified part of the molten pool and the consequent formation of cracks in the weld joints as a result of relative displacement of the crystals during dilatational strains, others reject this concept and argue the formation of the possible appearance of cracks.

Ushakov, M. V. (Avtomaticheskaya svarka, no. 8, 1968) shows that physical and chemical inhomogeneities develop in the process of crystallization of the weld joint and at the same time crystal-lattice defects (dis-

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L 65082-55

ACCESSION NR: AP5021219

locations) appear beyond the crystallization front (below the solidus); these defects may accumulate in energetically convenient locations, i.e. form polygonization boundaries. Intercrystalline fracture in weld joints with monophase structure occurs along these boundaries. To verify these theories, the authors investigated with the aid of a specially developed method

the formation of cracks and cracks associated with the formation of new boundaries -- granulation of the solidified metal as a result of crystallization during the crystallization of pure tin (99.9% Sn), its alloys with Pb of eutectic composition (64.4% Sn, 35.3% Pb) and alloys with a large crystallization interval (77.2% Sn, 22.5% Pb). The method of investigation was based on creating a stationary temperature field on a thin plate of the investigated metal, with the aid of a linear heat source (a rod of stainless steel of 4.5 mm diameter, heated by current to 500 A) moved over the plate so as to obtain a circular molten spot of the metal. Following its crystallization, the plate was etched in a solution of

hydrofluoric acid. Comparison of the film frames with the temperature field recorded by the thermocouples yielded data on the site and temperature of

Card 2/3

L 65022-65
ACCESSION NR: AP5021219

3
crack generation as well as on position of crack with respect to the crystallites and on minimal plasticity of the metal. It was thus found that on the crystallization of the melt of technically pure tin the polygonization (dislocation) boundaries formed in the range of 95-100°C, i.e., at 197-200°C; this leads to crack formation. Thus, Movchan's hypothesis is confirmed. Overall findings: 1) cracks in technically pure metal form at 197-200°C; 2) cracks in metal with a small amount of impurities form at lower temperatures, i.e., at 190-195°C; 3) cracks in metal with a large amount of impurities form at still lower temperatures, i.e., at 185-190°C. The results are given in figures, 1-4.

Submitted by: Kievskiy politekhnicheskii institut (Kiev Polytechnic Institute)

SUBMITTED: 10Dec64

ENCL: 00

SUB CODE: SS, 14 4131

NR REF SOV: 009

OTHER: 002

MAR
Card 3/3

L 24703-66

EWT(m)/EWP(w)/EWA(d)/T/EWP(t)

IJP(c) JD/JH

ACC NR: AP6008683

SOURCE CODE: UR/0167/66/000/001/0061/0066

AUTHORS: Dyatlov, V. I.; Abralov, M. A.

ORG: Kiev Polytechnical Institute (Kiyevskiy politekhnicheskii institut), Tashkent Polytechnical Institute (Tashkentskiy politekhnicheskii institut)

TITLE: Investigation of the plastic properties of technical aluminum during its crystallization from the melt

SOURCE: AN UzSSR. Izvestiya. Seriya tekhnicheskikh nauk, no. 1, 1966, 61-66

TOPIC TAGS: gas turbine, metal crystal, plasticity, brittleness, aluminum, aluminum, metallurgic testing machine, metal crystallization/ AVOO

ABSTRACT: This investigation was conducted to test the hypothesis concerning the intercrystalline strength of metals, proposed by N. N. Prokhorov (Goryachiye treshchiny pri svarke, Mashgiz, 1952). The change in the elastic properties of aluminum AVOO during its crystallization from the melt was determined. The experimental procedure followed has been described earlier by M. A. Abralov and V. I. Dyatlov (Inv. AN UzSSR, 1964, No. 1). A schematic of the experimental installation is presented, and the experimental results are shown graphically (see Fig. 1). It is concluded that for melts consisting of a single phase the brittleness of the metal during crystallization is caused by the formation of polygonic boundaries in the solid. The temperature interval of brittleness for a single phase melt was found to be lower

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L 24703-66

ACC NR: AP6008683

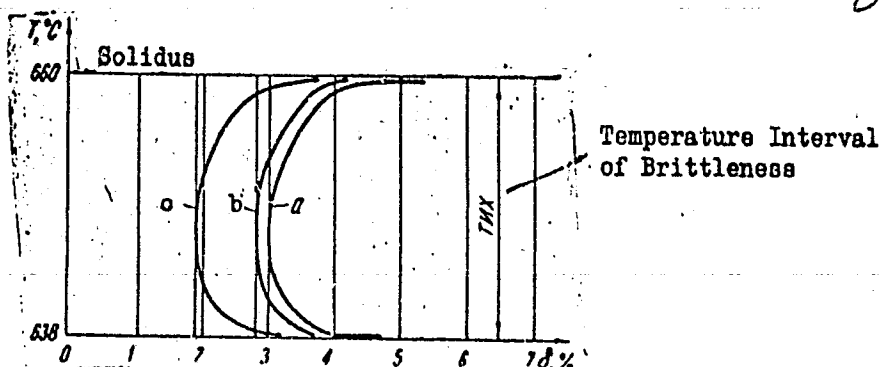


Fig. 1. Influence of the rate of deformation on the change in plasticity in the brittleness temperature interval: a - rate of deformation - 22 mm/min; minimum plasticity - 3%; b - rate of deformation 40 mm/min; minimum plasticity - 2.8%; c - rate of deformation - 60 mm/min; minimum plasticity 1.9%.

than the temperature of the solidus. The plasticity in the above temperature interval is low and decreases with increase in the rate of forced crystal deformation in the melt. Orig. art. has: 5 graphs.

SUB CODE: 11/ SUBM DATE: 02Feb65/ ORIG REF: 007/ OTH REF: 004

Card 2/2

ACC NR: AP7004193 (N) SOURCE CODE: UR/0125/67/000/001/0026/0030

AUTHOR: Dyatlov, V. I.; Abralov, M. A.; Shnayder, B. I.

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TITLE: Primary crystallization in the metal bath during the welding of light gage material

SOURCE: Avtomaticheskaya svarka, no. 1, 1967, 26-30

TOPIC TAGS: crystallization, metal crystallization, metal crystal, metal inspection, metal welding

ABSTRACT: A welding bath crystallization process, which occurs during low voltage arc welding of light-gage metals (0.2 to 0.1 mm), has been recorded cinematographically. Crystallization begins at the edges of the bath and proceeds stepwise, at low welding speeds, from one fusion line to another towards the weld axis with some overlapping of the latter. Crystallization in the welding bath

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proceeds at variable rates. The period of accelerated crystal growth is followed by periods of extremely inhibited growth. Orig. art. has: 5 figures. [AM]

SUB CODE: 13/SUBM DATE: 24Nov65/ORIG REF: 009/

Card 2/2

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